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# CONSTRUCTION REVIEW

Featured in this issue . . .

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**WORK INJURIES IN 1956**

**VALUE OF 1956  
MAINTENANCE AND REPAIRS**

**HIGHLIGHTS OF COLLECTIVE  
BARGAINING IN 1957**

- *Expenditures*
- *Starts*
- *Materials*
- *Awards*
- *Permits*
- *Costs*
- *Employment*



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# CONSTRUCTION REVIEW

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## At a Glance

**CONSTRUCTION ACTIVITY IN SEPTEMBER**--Outlays for new construction in September matched the alltime high of \$4.6 billion in August, to round out the most active quarter on record. In September, many important types of construction remained at or near the peak levels of August, bringing the value of new work put in place during the first 9 months of 1957 to \$35 billion, 2 percent more than in the comparable 1956 period. The \$25 billion of private construction put in place during the first 9 months of 1957 was about the same as for the like period of 1956. The 10-percent gain over the year in public construction, to \$10.5 billion, was primarily for State and locally-owned projects--schools, highways, and sewer and water facilities.

**HOUSING STARTS IN AUGUST**--Nonfarm housing starts in August totaled 95,000, almost equal to July volume and 9 percent below August 1956. The July-to-August slackening was in public housing. Privately owned starts rose contraseasonally in August to 92,600, and the seasonally adjusted annual rate passed the million mark for the first time this year. The increase in private housing was confined to the metropolitan areas, where new apartment projects were buoying up housing starts. Comparing data for the first 8 months, this year's starts total (665,600 private and 34,900 public units) was 11 percent below 1956 and the lowest for any like period since 1949.

**FHA-VA ACTIVITY IN AUGUST**--Housing starts under FHA programs continued their 1957 uptrend in August to within 5 percent of the August 1956 volume. Thus, the 1956-57 decline in FHA starts had narrowed from 37 percent in the first quarter to 24 percent at the end of the first 8 months. Further advances in FHA starts appeared likely, since dwelling units covered by FHA mortgage insurance applications (excluding Capehart military housing) rose for the second successive month this August, and for the third month in a row were above year-earlier totals. Housing starts under VA programs declined in August, as in July, and continued at less than half last year's volume. Dwelling units in VA appraisal requests, however, increased slightly in August, after edging up in July for the first time since February, but they continued about 60 percent below 1956 levels.

**NONFARM MORTGAGE RECORDINGS IN JULY**--The value of nonfarm mortgage recordings advanced more than usual in July--by 9 percent to \$2.2 billion--after a 5-percent decline in June. All groups of lenders contributed to the rise, but the July 1957 total was 7 percent below the year-ago figure. Savings and loan associations, the major source of home-mortgage funds, maintained their July 1956 volume, but home financing by commercial banks was off 16 percent over the year and by insurance companies, 18 percent. For the first 7 months of 1957, mortgage recordings were valued at \$14.1 billion, down 11 percent from the same 1956 period. All types of lenders except individuals shared in this decline, which ranged from 5 percent for savings and loan associations to 24 percent for commercial banks.

**BUILDING PERMIT ACTIVITY IN AUGUST**--Building permit valuations declined 4 percent in August to \$1.6 billion and continued below 1956 levels. The July-to-August downtrend reflected decreases for all major kinds of building except new dwelling units. Dwelling-unit valuations were up 5 percent in August after a 2-month downtrend, in contrast with sizable decreases for stores and industrial buildings. Comparing data for the first 8 months, permit valuations declined 6 percent over the year to \$12.4 billion, chiefly because of a 15-percent drop in housing.

**PUBLIC CONTRACT AWARDS IN JULY**--The value of public contract awards declined 14 percent in July, to \$1.1 billion--a little above the July 1956 total. The only important exceptions to the general downtrend were June-to-July increases in awards for housing and for highways, particularly toll roads. For the first 7 months, contract award totals advanced by 15 percent from 1956 to 1957, and gains occurred for most major types of public work. The largest increases, however, were in highway awards (mainly federally aided State projects), public schools, and in Federal awards for military (Capehart) housing and conservation and development. The only sizable decrease over the period was in electric power projects, chiefly because of several especially large contracts awarded last year during the summer months.



## At a Glance

**CONSTRUCTION CONTRACTS IN AUGUST AND SEPTEMBER**--The value of construction contracts for the first 8 months of 1957, as reported by the F. W. Dodge Corporation, remained slightly ahead of the same 1956 period. Although residential awards were slightly less than last year's 8-month total, the rate of decrease from 1956 was reduced considerably in June and July. As a result, a small July-to-August rise in the value of nonresidential building contracts was sufficient to bring the total for all building contracts in January-August 1957 ahead of the corresponding period of 1956. Engineering awards continued well ahead of last year, despite a drop in both public works and utility awards in the past 2 months.

Reports of the Engineering News-Record on the value of large construction contracts awarded during the 12 months ending in September show an 8 percent drop when compared to the January 1957 12-month total and continues the downtrend evident throughout this year. Drops in the private sector have exceeded increases in publicly owned construction consistently so far this year.

**CONSTRUCTION COSTS IN AUGUST**--The Department of Commerce composite index in August remained unchanged at 138 percent of the 1947-49 average. Although costs have been inching up in 1957, with the August index 3 percent above January, the rate of advance has been slower this year than in the same 1956 period, chiefly because of lumber price reductions.

**BUILDING MATERIALS PRICES IN AUGUST**--The wholesale price index for building materials receded fractionally in August to 131.3 (1947-49=100), from July's near-record high of 131.4, owing chiefly to continued softness in prices of lumber and copper building components. The August 1957 index was virtually the same as the 131.5 alltime high of August 1956--reflecting counterbalancing of declining lumber prices by rising prices for components of the metal and nonmetallic minerals products groups. Primary market quotations declined slightly from July to August 1957 for maple and oak flooring, and for Douglas fir and southern pine lumber. Softwood plywood prices were down more than 4 percent over the month. These decreases were offset by price advances for aluminum sheets, face brick, and sand and gravel. Cement prices were unchanged as of mid-August.

**CONSTRUCTION MATERIALS OUTPUT IN JULY**--July was marked by mixed movements in the output of major construction materials. While most categories were below June 1957 and July 1956 levels, the changes over the month represented, in large measure, normal seasonal variations. Only the asphalt products and clay construction products groups rose between June and July. Cement production was lower than for any July since 1949, because of a widespread work stoppage. Iron and steel products, and the paint, varnish, and lacquer groups registered increases over the same month last year. Iron and steel products reached a new July high this year, which was an unusual increase over July 1956, when a steel strike was in progress. The paint group achieved a level only slightly below the July high of 1950.

**CONTRACT CONSTRUCTION EMPLOYMENT IN AUGUST**--Employment by construction contractors rose less than usual in August--by 19,000 to 3,299,000, partly because of industrial disputes. This figure was 62,000 below August 1956 when construction employment was at an alltime high. Detailed data available through July indicate that gains from June occurred in most States, and on all types of contract construction except some of the special trades. The small employment rise above July 1956 levels was mostly in the South, and reflected primarily gains in the painting and electrical trades and in heavy construction other than highway work.

**HOURS AND EARNINGS IN JULY**--Average weekly earnings in contract construction advanced by \$1.24 from June to a new high of \$109.35 in July--\$6.10 above the previous July and \$2.21 above the 1956 peak reached in October. The over-the-year gain in weekly pay resulted chiefly from increased wage rates. The workweek, expanding 0.3 hour from June, averaged about the same in July 1957 as the July workweek in each of the 4 preceding years. Hourly earnings, averaging \$2.87 this July, were at record or near-record levels for all major segments of the industry.

# Work Injuries in Contract Construction, 1956\*

Injury-frequency rates in contract construction during 1956 were the lowest in 9 years--the period for which comparable national records are available (see table 1).<sup>1</sup> The 1956 rate of 31.2 disabling injuries per million employee-hours worked represented a significant improvement over the 1955 rate (34.5) and a striking drop from the peak (41.0) of 1950. The average severity rate also fell substantially (by 16 percent) over the year--reflecting the combined effect of the sharp reduction in injury frequency and a smaller downtrend in average days of disability per case, from 89 in 1955 to 85 in 1956 (see table 2).<sup>2</sup>

TABLE 1.--INJURY-FREQUENCY RATES IN CONTRACT CONSTRUCTION, 1948-56<sup>1</sup>

| Type of contractor                              | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 |
|---|------|------|------|------|------|------|------|------|------|
| All contract construction .....                 | 36.7 | 39.9 | 41.0 | 39.3 | 35.3 | 32.9 | 32.1 | 34.5 | 31.2 |
| General building .....                          | 39.0 | 41.7 | 45.4 | 39.6 | 38.1 | 37.2 | 37.0 | 39.8 | 34.5 |
| Highway and street .....                        | 43.3 | 45.5 | 44.8 | 50.8 | 46.0 | 38.5 | 35.0 | 37.5 | 34.2 |
| Heavy construction, except highway and street.. | 39.2 | 41.9 | 42.8 | 42.3 | 29.8 | 31.2 | 27.8 | 30.1 | 30.9 |
| Special trades .....                            | 31.8 | 33.2 | 33.4 | 31.5 | 32.2 | 28.7 | 28.8 | 31.1 | 28.1 |

<sup>1</sup> See table 2, footnote 1, for definition.

The decline in the overall frequency rate from 1955 to 1956 reflected improvement in 3 of the 4 main divisions of contract construction--general building, highway and street work, and the special trades. In the field of heavy construction (excluding highways and roads), there was no significant change over the year in injury frequency. The rate of decrease in construction work injuries compares favorably with that for manufacturing, which declined only slightly from 1955.

Despite the improvement in injury-frequency rates, the total number of injuries in construction rose a little from 1955 to 1956, reflecting the increase in contract construction employment. However, the increase in injury volume was much less relatively than the increase in employment--2.3 percent against 8.4 percent.

Injury-frequency rates among the broad groups of construction contractors varied last year from 28.1 for the special trades, to 30.9 on heavy construction, 34.2 on highway and road work, and 34.5 on general building. Although general building had the highest frequency rate in 1956, it had the lowest severity rate--reflecting the very small proportion of deaths resulting from work injuries. Be

\* Prepared in the Division of Industrial Hazards, Bureau of Labor Statistics, U. S. Department of Labor.

<sup>1</sup> The Bureau of Labor Statistics regularly compiles annual work-injury frequency and severity rates for a wide range of manufacturing and nonmanufacturing activities. Before 1948, data for the construction industry were shown only for 3 main divisions of contract construction--building construction, heavy construction (other than highway and street), and highway and street work. Beginning with 1948, statistics are available separately for general building and for a number of special trades, as well as for heavy construction and highway and street work. The all-construction rates are weighted averages (in terms of employment) of the rates determined for the several listed classes of contract construction.

The sample surveys are conducted by mail. The coverage in construction varies from year to year, but typically represents the experience of about 5,000 employers. In 1956, the data covered more than 5,700 firms with an overall average employment of 229,000 workers. Injury rates compiled by the Bureau include the experience of all classes of employees--production and related workers; administrative, supervisory, sales, service, technical, professional, and office personnel. The term "injury" includes occupational disease.

For a more complete description of survey methods, see *Techniques of Preparing Major BLS Statistical Series*, Ch. 5 (BLS Bull. 1168). For an interpretation of trends in earlier years, see *Work Injuries in Construction, 1948-49* (BLS Bull. 1004) and *Work Injuries in Contract Construction, 1948-54* (in *Construction Review*, March 1956, pp. 4-9). For an analysis of accident causes in 2 trades, see *Injuries and Accident Causes in Plumbing Operations* (BLS Bull. 1079) and *Injuries and Accident Causes in Carpentry Operations* (BLS Bull. 1118).

<sup>2</sup> See footnotes to table 2 for definitions.

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cause of the relatively high incidence of death on both heavy construction and highway work, their injury-severity rates were about twice as great as on building construction. The proportion of injuries resulting in permanent physical impairment was about the same for all groups.

TABLE 2.—INJURY RATES IN CONTRACT CONSTRUCTION, BY TYPE OF CONTRACTOR, 1955-56<sup>1</sup>

| Type of contractor                                       | Injury rates |      |                      |       | Average days of disability per case |      |
|--|--------------|------|----------------------|-------|-------------------------------------|------|
|  | Frequency    |      | Severity             |       | 1956                                | 1955 |
|  | 1956         | 1955 | 1956                 | 1955  |                                     |      |
| All contract construction .....                          | 31.2         | 34.5 | 2,330                | 2,759 | 85                                  | 89   |
| General building .....                                   | 34.5         | 39.8 | 1,825                | 2,487 | 53                                  | 60   |
| Highway and street .....                                 | 34.2         | 37.5 | 3,856                | 4,875 | 113                                 | 130  |
| Heavy construction, except highway and street .....      | 30.9         | 30.1 | 3,843                | 4,411 | 121                                 | 148  |
| Special trades <sup>2</sup> .....                        | 28.1         | 31.1 | 2,041                | 2,256 | 85                                  | 75   |
| Plumbing, heating, and air conditioning .....            | 26.2         | 28.0 | 1,024                | 1,499 | 39                                  | 53   |
| Painting, paperhanging, and decorating .....             | 18.6         | 24.6 | (3)                  | (3)   | (3)                                 | (3)  |
| Electrical work .....                                    | 21.6         | 28.0 | 1,390                | 1,090 | 65                                  | 39   |
| Masonry, stonework, tile setting, and plastering .....   | 29.2         | 34.5 | 981                  | 1,059 | 34                                  | 31   |
| Roofing and sheet-metal work .....                       | 53.3         | 48.6 | 3,606                | 4,682 | 68                                  | 96   |
| Structural steel erection and ornamental iron work ..... | 32.4         | 41.2 | 10,859               | (3)   | 335                                 | (3)  |
| Percent of disabling injuries resulting in—              |              |      |                      |       |                                     |      |
|  | Death        |      | Permanent impairment |       | Temporary-total disability          |      |
|  | 1956         | 1955 | 1956                 | 1955  | 1956                                | 1955 |
| All contract construction .....                          | 0.8          | 0.8  | 2.5                  | 2.9   | 96.7                                | 96.3 |
| General building .....                                   | .3           | .4   | 2.5                  | 2.8   | 97.2                                | 96.8 |
| Highway and street .....                                 | 1.3          | 1.5  | 2.9                  | 2.5   | 95.8                                | 96.0 |
| Heavy construction, except highway and street .....      | 1.4          | 1.6  | 2.5                  | 4.4   | 96.1                                | 94.0 |
| Special trades <sup>2</sup> .....                        | .8           | .6   | 2.4                  | 2.5   | 96.8                                | 96.9 |
| Plumbing, heating, and air conditioning .....            | .3           | .4   | 1.8                  | 2.2   | 97.9                                | 97.4 |
| Electrical work .....                                    | .8           | .2   | 1.7                  | 2.1   | 97.5                                | 97.7 |
| Masonry, stonework, tile setting, and plastering .....   | .2           | .1   | 1.1                  | 1.6   | 98.7                                | 98.3 |
| Roofing and sheet-metal work .....                       | .4           | .8   | 1.7                  | 3.4   | 97.9                                | 95.8 |
| Structural steel erection and ornamental iron work ..... | 3.8          | (3)  | 5.4                  | (3)   | 90.8                                | (3)  |

<sup>1</sup> *Injury-frequency rate:* the average number of disabling work injuries per million employee-hours worked. *Severity rate:* the average number of days of disability charged for each million employee-hours worked. Prior to 1955, severity rates were computed on the basis of each thousand employee-hours worked. Also, beginning with 1955, these studies incorporated more detailed and exact time charges for the evaluation of permanent impairments. Therefore, between earlier years and the 1955-56 period, valid comparisons cannot be made of the average days of disability charged for permanent impairments or for all cases, or of the severity rates. *Days of disability* includes those resulting from temporary-total cases and standard time charges for fatalities and permanent disabilities, according to the American Standard Method of Recording and Measuring Work Injury Experience, approved by the American Standard Association in 1954. *Disabling work injury* is one occurring in the course of and arising out of employment which (a) results in death or any degree of permanent physical impairment, or (b) makes the injured worker unable to perform the duties of a regularly established job which is open and available to him on any day after the day of injury—including Sundays, days off, holidays, or plant shutdowns.

<sup>2</sup> Includes data for trades not shown separately.

<sup>3</sup> Data not available.

Among most of the special trades, both the frequency and severity of 1956 work injuries were comparatively low in relation to other types of construction. An exception was structural steel erection and ornamental iron work, which had an injury-severity rate that was about five times that for the special trades group and for contract construction as a whole.

## Expenditures for Maintenance and Repairs in 1956\*

In 1956, maintenance and repair expenditures for all types of construction reached a new peak of \$17.0 billion, exceeding the old record of 1955 by \$1.1 billion, or 7 percent. Since the U. S. Department of Commerce composite index of construction costs rose about 6 percent during the same period, it is possible that most, if not all, of the increase in maintenance and repair expenditures was due to rising costs rather than to accelerated activity. In fact, with some growth in the inventory of structures and facilities, it is conceivable that the physical amount of maintenance and repair work done per unit of construction actually declined.

With the exception of farm buildings, all major classifications of construction shared in the increase in expenditures. Nonfarm residential buildings, which is the largest component, accounted for \$500 million, or about half of the total increase. Nonresidential buildings contributed almost \$300 million, while public utilities and highways each added about \$100 million. The \$15-million decline for farm buildings had no significant effect on the total outlay.

### MAINTENANCE AND REPAIR EXPENDITURES, 1947-56

(Millions of dollars)

| Type of construction                                | 1947          | 1948          | 1949          | 1950          | 1951          | 1952          | 1953          | 1954          | 1955               | 1956          |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|
| <b>Total maintenance and repairs<sup>1</sup>...</b> | <b>10,374</b> | <b>11,801</b> | <b>11,966</b> | <b>12,084</b> | <b>13,386</b> | <b>14,153</b> | <b>14,379</b> | <b>14,666</b> | <b>15,843</b>      | <b>16,952</b> |
| Residential buildings (nonfarm) ..                  | 4,200         | 4,800         | 4,800         | 4,600         | 5,000         | 5,300         | 5,300         | 5,700         | 6,500              | 7,000         |
| Nonresidential buildings .....                      | 1,955         | 2,250         | 2,285         | 2,360         | 2,540         | 2,672         | 2,799         | 2,868         | 3,010              | 3,289         |
| Farm buildings .....                                | 574           | 618           | 581           | 639           | 722           | 744           | 677           | 609           | 619                | 604           |
| Operators' dwellings .....                          | 184           | 200           | 188           | 208           | 234           | 241           | 219           | 197           | 199                | 194           |
| Service buildings .....                             | 390           | 418           | 393           | 431           | 488           | 503           | 458           | 412           | 420                | 410           |
| Military facilities .....                           | 240           | 258           | 295           | 369           | 614           | 702           | 637           | 579           | <sup>2</sup> 567   | 635           |
| Conservation & development <sup>3</sup> .....       | 73            | 87            | 91            | 83            | 88            | 99            | 87            | 82            | 81                 | 106           |
| Public utilities .....                              | 1,699         | 1,904         | 1,877         | 1,900         | 2,134         | 2,203         | 2,327         | 2,146         | <sup>2</sup> 2,214 | 2,306         |
| Railroad .....                                      | 1,265         | 1,405         | 1,343         | 1,342         | 1,543         | 1,584         | 1,652         | 1,410         | 1,447              | 1,465         |
| Local transit .....                                 | 46            | 44            | 43            | 45            | 45            | 47            | 46            | 45            | 45                 | 45            |
| Petroleum pipe lines .....                          | 37            | 42            | 44            | 44            | 51            | 53            | 55            | 57            | 57                 | 60            |
| Electric light and power .....                      | 161           | 184           | 198           | 209           | 226           | 232           | 267           | 288           | <sup>2</sup> 286   | 314           |
| Gas .....   | 60            | 76            | 84            | 91            | 92            | 97            | 106           | 124           | <sup>2</sup> 145   | 150           |
| Telephone .....                                     | 120           | 143           | 156           | 160           | 168           | 181           | 192           | 213           | 226                | 262           |
| Telegraph .....                                     | 10            | 10            | 9             | 9             | 9             | 9             | 9             | 9             | 8                  | 10            |
| Highways .....                                      | 1,074         | 1,242         | 1,359         | 1,423         | 1,531         | 1,611         | 1,701         | 1,780         | 1,856              | 1,970         |
| State .....   | 378           | 468           | 492           | 506           | 568           | 616           | 626           | 662           | 694                | 752           |
| County .....  | 427           | 477           | 515           | 564           | 588           | 604           | 643           | 665           | 703                | 710           |
| Municipal .....                                     | 269           | 297           | 352           | 353           | 375           | 391           | 432           | 453           | 459                | 508           |
| Sewer and water <sup>1</sup> .....                  | 357           | 412           | 445           | 475           | 496           | 546           | 572           | 618           | <sup>2</sup> 685   | 710           |
| Sewer .....   | 95            | 108           | 120           | 133           | 141           | 153           | 168           | 186           | <sup>2</sup> 206   | 217           |
| Water .....   | 262           | 304           | 325           | 342           | 355           | 393           | 404           | 432           | 479                | 493           |
| All other .....                                     | 202           | 230           | 233           | 235           | 261           | 276           | 279           | 284           | 311                | 332           |

Source: Department of Commerce.

only projects of the Department of the Army Corps of Engineers.

<sup>1</sup> Revised data for 1947-55, inclusive.

<sup>2</sup> Revised.

<sup>3</sup> Covers

The accompanying table continues through 1956 estimates of expenditures for maintenance and repairs prepared by the U. S. Department of Commerce. Estimates for 1915-56 and a description of the methods used in deriving them will appear in Construction Volume and Costs, 1915-56, a statistical supplement to Construction Review, now in preparation. The data through 1955 are essentially the same as those previously published except that a major revision was made in the series for sewage disposal facilities. For the other series, revisions were limited to 1955 figures, which were necessarily preliminary at the time they were first released.

\* Prepared in the Building Materials and Construction Division, Business and Defense Services Administration, U. S. Department of Commerce.

# Highlights of Collective Bargaining in Construction, First Half of 1957\*

First-year "package" increases of at least 20 cents an hour were provided for about 260,000 construction trades workers out of a 450,000 total covered by a group of major collective bargaining contracts negotiated in the first half of 1957. Each of these settlements covered 5,000 or more workers.

The major part of the new packages consisted of wage-rate increases, but often, as in recent years, new or liberalized health and welfare provisions and sometimes other contract changes also were involved. The most frequent wage increase, in terms of number of workers affected, was about 22 to 22.5 cents an hour, and covered about 135,000 workers.

As a result of these and other contract negotiations, together with previously negotiated wage adjustments going into effect during this period, construction wage scales increased an estimated average of 12 cents during the first half of 1957 compared with about 10 cents in the same 1956 period. Both of these averages are based on union wage-scale surveys made regularly by the Bureau of Labor Statistics,<sup>1</sup> and include scales that remained unchanged as well as those that rose during these periods.

Wage increases for periods of at least 2 and often 3 years in advance were provided by many of the January-to-June 1957 settlements. Contracts affecting more than 7 out of 10 workers involved in major negotiations specified increases for a second year. The most common second-year package increase was about 15 cents an hour, compared with about 10 cents in long-term 1956 agreements.

In contrast to preceding years, when contracts seldom specified adjustments for more than 2 years, nearly half the workers affected by major 1957 negotiations were also scheduled to receive increases in 1959.

\* Prepared in the Division of Wages and Industrial Relations, Bureau of Labor Statistics, U. S. Department of Labor.

<sup>1</sup> Union wage rates for 7 major trades in 100 cities.

## APPRENTICE JOE LEARNS CONSTRUCTION SAFETY

This pamphlet is for the use of construction foremen in explaining safety to apprentices or to any new worker in construction.

Safety rules on handling and lifting various kinds of material; using hand tools and operating power tools and equipment; eliminating certain hazards through good housekeeping; working in or near excavations; inspecting scaffolding, ladders, and hoisting equipment; and wearing personal protective equipment and clothing are outlined briefly.

The booklet, *Apprentice Joe Learns Construction Safety*, was prepared by the U. S. Department of Labor's Bureau of Labor Standards and Bureau of Apprenticeship and Training. Copies are available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., at 10 cents each.



## STATISTICAL SERIES

NOTE: ALL THE STATISTICAL SERIES IN CONSTRUCTION REVIEW  
ARE SUBJECT TO REVISION FOR THE LATEST PERIOD SHOWN.

## Part A—Construction Put in Place

Table A-1: New Construction Put in Place: Current Month, by Type of Construction

| Type of construction                   | Value (in millions of dollars) |       |       |                |        | Percent change    |            |                         |
|--|--------------------------------|-------|-------|----------------|--------|-------------------|------------|-------------------------|
|  | 1957                           |       | 1956  | First 9 months |        | Sept. 1957 from-- |            | First 9 months, 1956-57 |
|  | Sept.                          | Aug.  | Sept. | 1957           | 1956   | Aug. 1957         | Sept. 1956 |                         |
| <b>TOTAL NEW CONSTRUCTION</b> .....    | 4,618                          | 4,595 | 4,425 | 35,091         | 34,250 | + 1               | + 4        | + 2                     |
| <b>PRIVATE CONSTRUCTION</b> .....      | 3,110                          | 3,117 | 3,073 | 24,577         | 24,663 | (1)               | + 1        | (1)                     |
| Residential buildings (nonfarm) .....  | 1,573                          | 1,569 | 1,640 | 12,286         | 13,169 | (1)               | - 4        | - 7                     |
| New dwelling units .....               | 1,140                          | 1,135 | 1,240 | 8,980          | 10,110 | (1)               | - 8        | -11                     |
| Additions and alterations .....        | 386                            | 390   | 360   | 2,956          | 2,735  | - 1               | + 7        | + 8                     |
| Nonhousekeeping .....                  | 47                             | 44    | 40    | 350            | 324    | + 7               | +18        | + 8                     |
| Nonresidential buildings .....         | 802                            | 805   | 787   | 6,762          | 6,444  | (1)               | + 2        | + 5                     |
| Industrial .....                       | 260                            | 266   | 278   | 2,407          | 2,256  | - 2               | - 6        | + 7                     |
| Commercial .....                       | 322                            | 319   | 313   | 2,597          | 2,677  | + 1               | + 3        | - 3                     |
| Office buildings and warehouses .....  | 168                            | 167   | 152   | 1,332          | 1,202  | + 1               | +11        | +11                     |
| Stores, restaurants, and garages ..... | 154                            | 152   | 161   | 1,265          | 1,475  | + 1               | - 4        | -14                     |
| Other nonresidential buildings .....   | 220                            | 220   | 196   | 1,758          | 1,511  | 0                 | +12        | +16                     |
| Religious .....                        | 81                             | 80    | 73    | 636            | 548    | + 1               | +11        | +16                     |
| Educational .....                      | 47                             | 47    | 49    | 382            | 394    | 0                 | - 4        | - 3                     |
| Hospital and institutional .....       | 48                             | 47    | 30    | 360            | 233    | + 2               | +60        | +55                     |
| Social and recreational .....          | 28                             | 29    | 27    | 227            | 195    | - 3               | + 4        | +16                     |
| Miscellaneous .....                    | 16                             | 17    | 17    | 153            | 141    | - 6               | - 6        | + 9                     |
| Farm construction .....                | 159                            | 171   | 156   | 1,203          | 1,222  | - 7               | + 2        | - 2                     |
| Public utilities .....                 | 558                            | 553   | 478   | 4,184          | 3,741  | + 1               | +17        | +12                     |
| Railroad .....                         | 41                             | 41    | 40    | 336            | 307    | 0                 | + 3        | + 9                     |
| Telephone and telegraph .....          | 89                             | 91    | 87    | 811            | 771    | - 2               | + 2        | + 5                     |
| Other public utilities .....           | 428                            | 421   | 351   | 3,037          | 2,663  | + 2               | +22        | +12                     |
| All other private .....                | 18                             | 19    | 12    | 142            | 87     | - 5               | +50        | +63                     |
| <b>PUBLIC CONSTRUCTION</b> .....       | 1,508                          | 1,478 | 1,352 | 10,514         | 9,587  | + 2               | +12        | +10                     |
| Residential buildings .....            | 51                             | 49    | 25    | 339            | 201    | + 4               | +104       | +69                     |
| Nonresidential buildings .....         | 415                            | 414   | 381   | 3,377          | 3,033  | (1)               | + 9        | +11                     |
| Industrial .....                       | 37                             | 38    | 41    | 365            | 321    | - 3               | -10        | +14                     |
| Educational .....                      | 261                            | 260   | 231   | 2,115          | 1,912  | (1)               | +13        | +11                     |
| Hospital and institutional .....       | 29                             | 30    | 30    | 258            | 219    | - 3               | - 3        | +18                     |
| Administrative and service .....       | 44                             | 42    | 39    | 324            | 262    | + 5               | +13        | +24                     |
| Other nonresidential buildings .....   | 44                             | 44    | 40    | 315            | 319    | 0                 | +10        | - 1                     |
| Military facilities .....              | 140                            | 135   | 146   | 956            | 1,039  | + 4               | - 4        | - 8                     |
| Highways .....                         | 615                            | 595   | 543   | 3,730          | 3,393  | + 3               | +13        | +10                     |
| Sewer and water systems .....          | 128                            | 130   | 121   | 1,025          | 945    | - 2               | + 6        | + 8                     |
| Sewer .....                            | 76                             | 76    | 65    | 580            | 520    | 0                 | +17        | +12                     |
| Water .....                            | 52                             | 54    | 56    | 445            | 425    | - 4               | - 7        | + 5                     |
| Public service enterprises .....       | 45                             | 44    | 39    | 301            | 290    | + 2               | +15        | + 4                     |
| Conservation and development .....     | 103                            | 100   | 84    | 693            | 609    | + 3               | +23        | +14                     |
| All other public .....                 | 11                             | 11    | 13    | 93             | 77     | 0                 | -15        | +21                     |

Source: Departments of Commerce and Labor.

<sup>1</sup> Change of less than one-half of 1 percent.

# CONSTRUCTION REVIEW

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Table A-2: New Construction Put in Place: Recent Monthly Trend, by Type of Construction

(Value, in millions of dollars)

| Type of construction              | 1956          |               |               |               | 1957          |               |               |               |               |               |                   |               |               |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------------|---------------|---------------|
|                                   | Sept.         | Oct.          | Nov.          | Dec.          | Jan.          | Feb.          | Mar.          | Apr.          | May           | June          | July <sup>1</sup> | Aug.          | Sept.         |
| <b>TOTAL NEW CONSTRUCTION.</b>    | <b>1, 125</b> | <b>4, 302</b> | <b>3, 964</b> | <b>3, 544</b> | <b>3, 182</b> | <b>3, 000</b> | <b>3, 280</b> | <b>3, 641</b> | <b>4, 033</b> | <b>4, 347</b> | <b>4, 395</b>     | <b>4, 595</b> | <b>4, 618</b> |
| <b>PRIVATE CONSTRUCTION</b> ..... | 3, 073        | 3, 003        | 2, 922        | 2, 654        | 2, 311        | 2, 217        | 2, 392        | 2, 579        | 2, 808        | 3, 004        | 3, 039            | 3, 117        | 3, 110        |
| Residential bldgs. (nonfarm)      | 1, 640        | 1, 580        | 1, 521        | 1, 362        | 1, 137        | 1, 048        | 1, 167        | 1, 300        | 1, 410        | 1, 526        | 1, 556            | 1, 569        | 1, 573        |
| New dwelling units                | 1, 240        | 1, 195        | 1, 140        | 1, 045        | 885           | 795           | 875           | 940           | 1, 000        | 1, 085        | *1, 125           | 1, 135        | 1, 140        |
| Additions and alterations         | 360           | 344           | 339           | 277           | 214           | 217           | 258           | 326           | 373           | 401           | *391              | 390           | 386           |
| Nonhousekeeping                   | 40            | 41            | 42            | 40            | 38            | 36            | 34            | 34            | 37            | 40            | 40                | 44            | 47            |
| Nonresidential buildings          | 787           | 797           | 804           | 772           | 722           | 704           | 709           | 713           | 747           | 786           | 774               | 805           | 802           |
| Industrial                        | 278           | 278           | 276           | 274           | 269           | 270           | 269           | 271           | 270           | 270           | 262               | 266           | 260           |
| Commercial                        | 313           | 320           | 329           | 305           | 269           | 257           | 264           | 263           | 287           | 309           | 307               | 319           | 322           |
| Office buildings                  |               |               |               |               |               |               |               |               |               |               |                   |               |               |
| and warehouses                    | 152           | 160           | 165           | 157           | 143           | 135           | 133           | 135           | 146           | 153           | 152               | 167           | 168           |
| Stores, restaurants,              |               |               |               |               |               |               |               |               |               |               |                   |               |               |
| and garages                       | 161           | 160           | 164           | 148           | 126           | 122           | 131           | 128           | 141           | 156           | 155               | 152           | 154           |
| Other nonresidential bldgs.       | 196           | 199           | 199           | 193           | 184           | 177           | 176           | 179           | 190           | 207           | 205               | 220           | 220           |
| Religious                         | 73            | 75            | 74            | 71            | 67            | 65            | 63            | 64            | 68            | 73            | 75                | 80            | 81            |
| Educational                       | 49            | 49            | 47            | 46            | 43            | 41            | 40            | 39            | 40            | 43            | 42                | 47            | 47            |
| Hospital & institutional          | 30            | 31            | 32            | 32            | 33            | 34            | 36            | 38            | 40            | 43            | 41                | 47            | 48            |
| Social and recreational           | 27            | 27            | 27            | 26            | 24            | 23            | 23            | 23            | 24            | 26            | 27                | 29            | 28            |
| Miscellaneous                     | 17            | 17            | 19            | 18            | 17            | 14            | 14            | 15            | 18            | 22            | 20                | 17            | 16            |
| Farm construction                 | 156           | 130           | 111           | 97            | 91            | 96            | 105           | 119           | 140           | 156           | 166               | 171           | 159           |
| Public utilities                  | 478           | 484           | 475           | 413           | 350           | 357           | 398           | 432           | 493           | 517           | 526               | 553           | 558           |
| Railroad                          | 40            | 41            | 43            | 36            | 32            | 31            | 35            | 37            | 38            | 40            | 41                | 41            | 41            |
| Telephone and telegraph           | 87            | 100           | 107           | 88            | 75            | 86            | 94            | 88            | 101           | 96            | 91                | 91            | 89            |
| Other public utilities            | 351           | 343           | 325           | 289           | 243           | 240           | 269           | 307           | 354           | 381           | 394               | 421           | 428           |
| All other private                 | 12            | 12            | 11            | 10            | 11            | 12            | 13            | 15            | 18            | 19            | 17                | 19            | 18            |
| <b>PUBLIC CONSTRUCTION</b> .....  | <b>1, 352</b> | <b>1, 299</b> | <b>1, 042</b> | <b>890</b>    | <b>871</b>    | <b>783</b>    | <b>888</b>    | <b>1, 062</b> | <b>1, 225</b> | <b>1, 343</b> | <b>1, 356</b>     | <b>1, 478</b> | <b>1, 508</b> |
| Residential buildings             | 25            | 30            | 31            | 30            | 29            | 30            | 30            | 34            | 37            | 39            | **40              | 49            | 51            |
| Nonresidential buildings          | 381           | 371           | 344           | 324           | 336           | 305           | 345           | 374           | 389           | 405           | 394               | 414           | 415           |
| Industrial                        | 41            | 42            | 45            | 45            | 44            | 37            | 41            | 41            | 43            | 43            | **41              | 38            | 37            |
| Educational                       | 231           | 226           | 210           | 201           | 211           | 194           | 215           | 233           | 238           | 254           | 249               | 260           | 261           |
| Hospital and institutional        | 30            | 30            | 26            | 23            | 24            | 23            | 27            | 31            | 33            | 32            | 29                | 30            | 29            |
| Administrative & service          | 39            | 38            | 33            | 29            | 30            | 27            | 32            | 36            | 38            | 38            | 37                | 42            | 44            |
| Other nonresidential bldgs.       | 40            | 35            | 30            | 26            | 27            | 24            | 30            | 33            | 37            | 38            | 38                | 44            | 44            |
| Military facilities               | 146           | 141           | 117           | 98            | 93            | 82            | 84            | 95            | 100           | 110           | **117             | 135           | 140           |
| Highways                          | 543           | 512           | 326           | 239           | 225           | 195           | 230           | 335           | 455           | 535           | **545             | 595           | 615           |
| Sewer and water systems           | 121           | 120           | 110           | 100           | 100           | 93            | 104           | 113           | 117           | 120           | 120               | 130           | 128           |
| Sewer                             | 65            | 65            | 60            | 56            | 56            | 53            | 58            | 63            | 64            | 66            | 68                | 76            | 76            |
| Water                             | 56            | 55            | 50            | 44            | 44            | 40            | 46            | 50            | 53            | 54            | 52                | 54            | 52            |
| Public service enterprises        | 39            | 35            | 32            | 27            | 24            | 21            | 26            | 30            | 35            | 38            | 38                | 44            | 45            |
| Conservation & development        | 84            | 79            | 73            | 65            | 57            | 51            | 60            | 70            | 79            | 83            | **90              | 100           | 103           |
| All other public                  | 13            | 11            | 9             | 7             | 7             | 6             | 9             | 11            | 13            | 13            | 12                | 11            | 11            |

Source: Departments of Commerce and Labor.

<sup>1</sup> Data for individual types of construction were adjusted specifically for effect of

cement shortages in July 1957, except where noted.

\* Not adjusted for effect of cement shortages.

\*\* Based chiefly on actual project progress reports which reflect all current influences on construction activity for the types of work shown (State and locally owned highway data were adjusted on the basis of findings from the federally aided portion.)

## COMPOSITION OF REGIONS AND GEOGRAPHIC DIVISIONS

### NORTHEAST

1. New England  
Connecticut  
Maine  
Massachusetts  
New Hampshire  
Rhode Island  
Vermont

2. Middle Atlantic  
New Jersey  
New York  
Pennsylvania

### NORTH CENTRAL

3. E. N. Central  
Illinois  
Indiana  
Michigan  
Ohio  
Wisconsin

4. W. N. Central  
Iowa  
Kansas  
Minnesota  
Missouri  
Nebraska  
North Dakota  
South Dakota

### SOUTH

5. S. Atlantic  
Delaware  
Dist. of Col.  
Florida  
Georgia  
Maryland  
N. Carolina  
S. Carolina  
Virginia  
W. Virginia

6. E. S. Central  
Alabama  
Kentucky  
Mississippi  
Tennessee  
7. W. S. Central  
Arkansas  
Louisiana  
Oklahoma  
Texas

### WEST

8. Mountain  
Arizona  
Colorado  
Idaho  
Montana  
Nevada  
New Mexico  
Utah  
Wyoming  
9. Pacific  
California  
Oregon  
Washington

## NONFARM POPULATION DISTRIBUTION IN 1950

NORTHEAST—29.5 percent.

NORTH CENTRAL—29.0 percent.

SOUTH—27.7 percent.

WEST—13.8 percent.

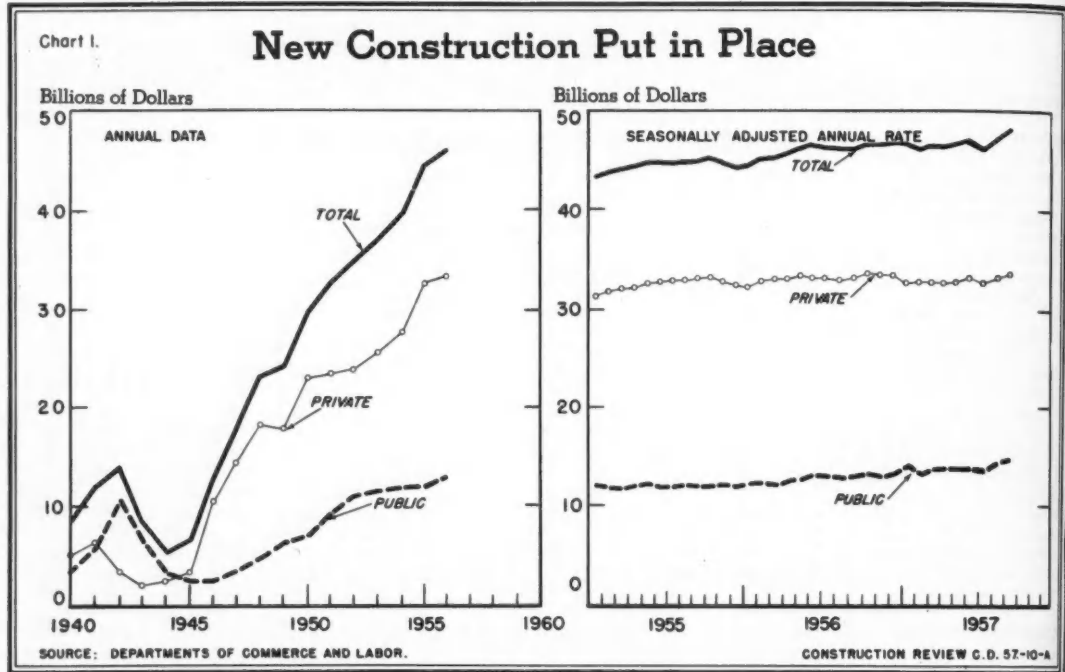


Table A-3: New Construction Put in Place: Seasonally Adjusted Annual Rate, by Type of Construction

(Value, in millions of dollars)

| Type of construction                  | Seasonally adjusted annual rate |        |        |        |        |                   |        |        | Annual total |        |
|---------------------------------------|---------------------------------|--------|--------|--------|--------|-------------------|--------|--------|--------------|--------|
|                                       | 1956                            | 1957   |        |        |        |                   |        |        | 1955         | 1956   |
|                                       | Sept.                           | Mar.   | Apr.   | May    | June   | July <sup>1</sup> | Aug.   | Sept.  | 1955         | 1956   |
| <b>TOTAL NEW CONSTRUCTION</b> .....   | 46,284                          | 46,740 | 46,680 | 46,932 | 47,160 | 46,284            | 47,592 | 48,204 | 44,581       | 46,068 |
| <b>PRIVATE CONSTRUCTION</b> .....     | 33,216                          | 32,844 | 32,736 | 33,000 | 33,216 | 32,784            | 33,384 | 33,600 | 32,620       | 33,243 |
| Residential buildings (nonfarm).....  | 17,508                          | 16,656 | 16,320 | 16,020 | 16,248 | *16,284           | 16,500 | 16,788 | 18,705       | 17,632 |
| Nonresidential buildings.....         | 8,928                           | 9,156  | 9,252  | 9,396  | 9,348  | 8,964             | 9,204  | 9,084  | 7,611        | 8,817  |
| Industrial.....                       | 3,312                           | 3,288  | 3,324  | 3,336  | 3,276  | 3,180             | 3,192  | 3,084  | 2,399        | 3,084  |
| Commercial.....                       | 3,456                           | 3,504  | 3,540  | 3,648  | 3,636  | 3,468             | 3,564  | 3,576  | 3,218        | 3,691  |
| Office buildings and warehouses.....  | 1,740                           | 1,740  | 1,776  | 1,884  | 1,932  | 1,848             | 1,932  | 1,920  | 1,311        | 1,684  |
| Stores, restaurants, and garages..... | 1,716                           | 1,764  | 1,764  | 1,764  | 1,704  | 1,620             | 1,632  | 1,656  | 1,907        | 1,947  |
| Other nonresidential buildings.....   | 2,160                           | 2,364  | 2,388  | 2,412  | 2,436  | 2,316             | 2,448  | 2,424  | 1,994        | 2,102  |
| Farm construction.....                | 1,560                           | 1,488  | 1,500  | 1,524  | 1,560  | 1,572             | 1,584  | 1,596  | 1,600        | 1,560  |
| Public utilities.....                 | 5,076                           | 5,364  | 5,460  | 5,856  | 5,856  | 5,796             | 5,892  | 5,928  | 4,543        | 5,113  |
| All other private.....                | 144                             | 180    | 204    | 204    | 204    | 168               | 204    | 204    | 161          | 120    |
| <b>PUBLIC CONSTRUCTION</b> .....      | 13,068                          | 13,896 | 13,944 | 13,932 | 13,944 | 13,500            | 14,208 | 14,604 | 11,961       | 12,811 |
| Residential buildings.....            | 300                             | 360    | 396    | 456    | 456    | **516             | 588    | 624    | 266          | 292    |
| Nonresidential buildings.....         | 4,188                           | 4,392  | 4,560  | 4,536  | 4,548  | 4,332             | 4,476  | 4,548  | 4,218        | 4,072  |
| Military facilities.....              | 1,452                           | 1,248  | 1,248  | 1,224  | 1,188  | **1,248           | 1,368  | 1,392  | 1,313        | 1,395  |
| Highways.....                         | 4,416                           | 5,208  | 4,968  | 4,920  | 5,016  | **4,740           | 4,860  | 4,992  | 4,050        | 4,470  |
| Sewer and water systems.....          | 1,344                           | 1,344  | 1,356  | 1,332  | 1,320  | 1,272             | 1,368  | 1,428  | 1,085        | 1,271  |
| Sewer.....                            | 732                             | 768    | 744    | 732    | 732    | 708               | 804    | 852    | 615          | 701    |
| Water.....                            | 612                             | 576    | 612    | 600    | 588    | 564               | 564    | 576    | 470          | 570    |
| Public service enterprises.....       | 360                             | 384    | 396    | 432    | 408    | 348               | 396    | 420    | 233          | 381    |
| Conservation and development.....     | 888                             | 840    | 888    | 888    | 876    | **924             | 1,056  | 1,092  | 701          | 826    |
| All other public.....                 | 120                             | 120    | 132    | 144    | 132    | 120               | 96     | 108    | 95           | 104    |

Source: Departments of Commerce and Labor.

\* \*\* <sup>1</sup> See footnotes to table A-2.

Chart 2.

## New Construction Put in Place (In 1947-49 Prices)

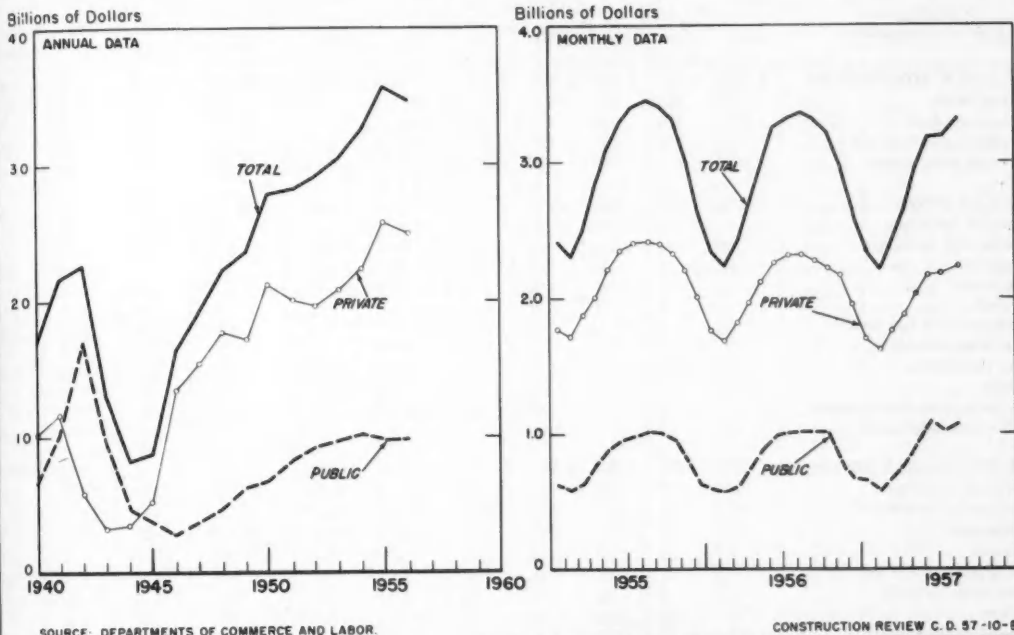


Table A-4: New Construction Put in Place: Value in 1947-49 Prices, by Type of Construction

(Millions of dollars)

| Type of construction                  | 1956  | 1957  |       |                   |       | Year   |        |        |        |        |
|---------------------------------------|-------|-------|-------|-------------------|-------|--------|--------|--------|--------|--------|
|                                       | Aug.  | May   | June  | July <sup>1</sup> | Aug.  | 1952   | 1953   | 1954   | 1955   | 1956   |
| <b>TOTAL NEW CONSTRUCTION</b> .....   | 3,372 | 2,964 | 3,186 | 3,194             | 3,330 | 29,123 | 30,459 | 32,603 | 35,702 | 34,933 |
| <b>PRIVATE CONSTRUCTION</b> .....     | 2,325 | 2,040 | 2,173 | 2,185             | 2,232 | 19,889 | 20,958 | 22,517 | 25,810 | 24,963 |
| Residential buildings (nonfarm).....  | 1,281 | 1,071 | 1,154 | *1,172            | 1,180 | 10,772 | 11,365 | 12,777 | 15,078 | 13,613 |
| Nonresidential buildings.....         | 582   | 537   | 561   | 549               | 568   | 4,211  | 4,655  | 5,064  | 6,012  | 6,587  |
| Industrial.....                       | 205   | 193   | 191   | 185               | 186   | 1,909  | 1,807  | 1,690  | 1,946  | 2,304  |
| Office buildings and warehouses.....  | 111   | 107   | 112   | 111               | 122   | 461    | 640    | 789    | 1,054  | 1,289  |
| Stores, restaurants, and garages..... | 124   | 101   | 111   | 109               | 106   | 525    | 857    | 989    | 1,472  | 1,441  |
| Other nonresidential bldgs.....       | 142   | 136   | 147   | 144               | 154   | 1,316  | 1,351  | 1,596  | 1,540  | 1,553  |
| Farm construction.....                | 136   | 112   | 124   | 131               | 135   | 1,643  | 1,484  | 1,420  | 1,350  | 1,266  |
| Public utilities.....                 | 318   | 308   | 322   | 322               | 337   | 3,194  | 3,362  | 3,166  | 3,257  | 3,416  |
| All other private.....                | 8     | 12    | 12    | 11                | 12    | 69     | 92     | 90     | 113    | 81     |
| <b>PUBLIC CONSTRUCTION</b> .....      | 1,047 | 924   | 1,013 | 1,009             | 1,098 | 9,234  | 9,501  | 10,086 | 9,892  | 9,970  |
| Residential buildings.....            | 19    | 28    | 30    | **30              | 37    | 550    | 459    | 281    | 213    | 225    |
| Nonresidential buildings.....         | 287   | 279   | 287   | 277               | 290   | 3,465  | 3,531  | 3,738  | 3,291  | 3,016  |
| Industrial.....                       | 32    | 31    | 30    | **29              | 27    | 1,384  | 1,434  | 1,253  | 588    | 338    |
| Educational.....                      | 174   | 170   | 180   | 175               | 182   | 1,375  | 1,397  | 1,694  | 1,888  | 1,887  |
| Hospital and institutional.....       | 21    | 24    | 23    | 20                | 21    | 401    | 297    | 286    | 249    | 220    |
| Other nonresidential buildings.....   | 60    | 54    | 54    | 53                | 60    | 305    | 403    | 505    | 566    | 571    |
| Military facilities.....              | 110   | 75    | 82    | **87              | 99    | 1,195  | 1,105  | 872    | 1,086  | 1,085  |
| Highways.....                         | 457   | 386   | 452   | **452             | 493   | 2,489  | 2,851  | 3,689  | 3,812  | 3,920  |
| Sewer and water systems.....          | 83    | 76    | 78    | 76                | 82    | 639    | 681    | 724    | 769    | 859    |
| Public service enterprises.....       | 25    | 21    | 22    | 22                | 26    | 129    | 122    | 133    | 157    | 240    |
| Conservation and development.....     | 58    | 51    | 54    | **57              | 64    | 731    | 688    | 571    | 497    | 556    |
| All other public.....                 | 8     | 8     | 8     | 8                 | 7     | 36     | 64     | 78     | 67     | 69     |

Source: Departments of Commerce and Labor.

\* \*\* <sup>1</sup> See footnotes to table A-2.

## CONSTRUCTION REVIEW

Table A-5: New Public Construction Put in Place, by Source of Funds, Ownership, and Type of Construction

| Source of funds,<br>ownership, and<br>type of construction | Value (in millions of dollars) |       |       |                   |       |       |                |        | Percent change    |           |                         |
|--|--------------------------------|-------|-------|-------------------|-------|-------|----------------|--------|-------------------|-----------|-------------------------|
|  | 1956                           | 1957  |       |                   |       |       | First 9 months |        | Sept. 1957 from-- |           | First 9 months, 1956-57 |
|  | Sept.                          | May   | June  | July <sup>1</sup> | Aug.  | Sept. | 1956           | 1957   | Sept. 1956        | Aug. 1957 |                         |
| <b>TOTAL PUBLIC CONSTRUCTION</b> ....                      | 1,352                          | 1,225 | 1,343 | 1,356             | 1,478 | 1,508 | 9,587          | 10,514 | +12               | +2        | +10                     |
| Federal funds.....   | 389                            | 350   | 393   | 409               | 454   | 474   | 2,672          | 3,123  | +22               | +4        | +17                     |
| Direct Federal.....  | 284                            | 238   | 256   | 272               | 301   | 310   | 2,045          | 2,159  | +9                | +3        | +6                      |
| Federal grants-in-aid <sup>2</sup> .....                   | 105                            | 112   | 137   | 137               | 153   | 164   | 627            | 964    | +56               | +7        | +54                     |
| State and local funds.....                                 | 963                            | 875   | 950   | 947               | 1,024 | 1,034 | 6,915          | 7,391  | +7                | +1        | +7                      |
| <b>FEDERALLY OWNED</b> .....                               | 284                            | 238   | 256   | *272              | 301   | 310   | 2,045          | 2,159  | +9                | +3        | +6                      |
| Residential buildings.....                                 | 2                              | 8     | 11    | 14                | 18    | 20    | 7              | 87     | (3)               | +11       | (3)                     |
| Nonresidential buildings.....                              | 56                             | 54    | 54    | 52                | 50    | 49    | 426            | 458    | -13               | -2        | +8                      |
| Industrial.....  | 41                             | 43    | 43    | 41                | 38    | 37    | 321            | 365    | -10               | -3        | +14                     |
| Educational.....   | 2                              | 0     | 1     | 0                 | 1     | 1     | 7              | 6      | -50               | 0         | -14                     |
| Hospital.....  | 4                              | 5     | 4     | 5                 | 4     | 3     | 26             | 36     | -25               | -25       | +38                     |
| Administrative and service.....                            | 4                              | 3     | 3     | 3                 | 4     | 5     | 19             | 29     | +25               | +25       | +53                     |
| Other nonresidential.....                                  | 5                              | 3     | 3     | 3                 | 3     | 3     | 53             | 22     | -40               | 0         | -58                     |
| Military facilities.....                                   | 146                            | 100   | 110   | 117               | 135   | 140   | 1,039          | 956    | -4                | +4        | -8                      |
| Highways.....  | 10                             | 9     | 10    | 12                | 12    | 12    | 65             | 73     | +20               | 0         | +12                     |
| Conservation and development.....                          | 68                             | 65    | 69    | 75                | 84    | 87    | 497            | 572    | +28               | +4        | +15                     |
| All other federally owned.....                             | 2                              | 2     | 2     | 2                 | 2     | 2     | 11             | 13     | 0                 | 0         | +18                     |
| <b>STATE AND LOCALLY OWNED</b> .....                       | 1,068                          | 987   | 1,087 | 1,084             | 1,177 | 1,198 | 7,542          | 8,355  | +12               | +2        | +11                     |
| Residential buildings.....                                 | 23                             | 29    | 28    | *26               | 31    | 31    | 194            | 252    | +35               | 0         | +30                     |
| Nonresidential buildings.....                              | 325                            | 335   | 351   | 342               | 364   | 366   | 2,607          | 2,919  | +13               | +1        | +12                     |
| Educational.....   | 229                            | 238   | 253   | 249               | 259   | 260   | 1,905          | 2,109  | +14               | (4)       | +11                     |
| Hospital.....  | 26                             | 28    | 28    | 24                | 26    | 26    | 193            | 222    | 0                 | 0         | +15                     |
| Administrative and service.....                            | 35                             | 35    | 35    | 34                | 38    | 39    | 243            | 295    | +11               | +3        | +21                     |
| Other nonresidential.....                                  | 35                             | 34    | 35    | 35                | 41    | 41    | 266            | 293    | +17               | 0         | +10                     |
| Highways.....  | 533                            | 446   | 525   | *533              | 583   | 603   | 3,328          | 3,657  | +13               | +3        | +10                     |
| Sewer and water systems.....                               | 121                            | 117   | 120   | 120               | 130   | 128   | 945            | 1,025  | +6                | -2        | +8                      |
| Sewer.....   | 65                             | 64    | 66    | 68                | 76    | 76    | 520            | 580    | +17               | 0         | +12                     |
| Water.....   | 56                             | 53    | 54    | 52                | 54    | 52    | 425            | 445    | -7                | -4        | +5                      |
| All other State and locally owned.....                     | 66                             | 60    | 63    | 63                | 69    | 70    | 468            | 502    | +6                | +1        | +7                      |

Source: Departments of Commerce and Labor.

<sup>1</sup> Data for individual types of construction were adjusted specifically for effect of cement shortages in July 1957, except where noted by \*.

<sup>2</sup> Construction programs currently receiving Federal grants-in-aid cover highways, schools, hospitals, airports, and miscellaneous community facilities.

<sup>3</sup> Percent increase exceeds 300.

<sup>4</sup> Change of less than one-half of 1 percent.

\* Based chiefly on actual project progress reports, which reflect all current influences on construction activity for the types of work shown. (State and locally owned highway data were adjusted on the basis of findings from the federally aided portion.)



# Part B--Housing

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Table B-1: New Nonfarm Dwelling Units Started, by Ownership, Location, and Type of Structure

| Period                                      | Total   | Ownership |        | Location <sup>1</sup> |                 | Type of structure |                                      |            |                  |
|---|---------|-----------|--------|-----------------------|-----------------|-------------------|--------------------------------------|------------|------------------|
|   |         | Private   | Public | Metropolitan          | Nonmetropolitan | 1-family houses   | Units in 2-or-more family structures |            |                  |
|   |         |           |        |                       |                 |                   | All                                  | 2-4 family | 5-or-more family |
| NUMBER OF NEW DWELLING UNITS (in thousands) |         |           |        |                       |                 |                   |                                      |            |                  |
| Year: 1946.....                             | 670.5   | 662.5     | 8.0    | (2)                   | (2)             | 590.0             | 80.5                                 | (3)        | (3)              |
| 1947.....                                   | 849.0   | 845.6     | 3.4    | (2)                   | (2)             | 740.2             | 108.8                                | (3)        | (3)              |
| 1948.....                                   | 931.6   | 913.5     | 18.1   | (2)                   | (2)             | 766.6             | 165.0                                | (3)        | (3)              |
| 1949.....                                   | 1,025.1 | 988.8     | 36.3   | (2)                   | (2)             | 794.3             | 230.8                                | (3)        | (3)              |
| 1950.....                                   | 1,396.0 | 1,352.2   | 43.8   | 1,021.6               | 374.4           | 1,154.1           | 241.9                                | (3)        | (3)              |
| 1951.....                                   | 1,091.3 | 1,020.1   | 71.2   | 776.8                 | 314.5           | 900.1             | 191.2                                | (3)        | (3)              |
| 1952.....                                   | 1,127.0 | 1,068.5   | 58.5   | 794.9                 | 332.1           | 942.5             | 184.5                                | (3)        | (3)              |
| 1953.....                                   | 1,103.8 | 1,068.3   | 35.5   | 803.5                 | 300.3           | 937.8             | 166.0                                | (3)        | (3)              |
| 1954.....                                   | 1,220.4 | 1,201.7   | 18.7   | 896.9                 | 323.5           | 1,077.9           | 142.5                                | 51.9       | 90.6             |
| 1955.....                                   | 1,328.9 | 1,309.5   | 19.4   | 975.8                 | 353.1           | 1,194.4           | 134.5                                | 49.2       | 85.3             |
| 1956.....                                   | 1,118.1 | 1,093.9   | 24.2   | 779.8                 | 338.3           | 989.7             | 128.4                                | 46.4       | 82.0             |
| First 8 months, 1956.....                   | 789.6   | 772.1     | 17.5   | 552.7                 | 236.9           | 703.9             | 85.7                                 | 31.2       | 54.5             |
| First 8 months, 1957.....                   | 700.5   | 665.6     | 34.9   | 477.1                 | 223.4           | (4)               | (4)                                  | (4)        | (4)              |
| 1956: August.....                           | 103.9   | 103.2     | .7     | 70.9                  | 33.0            | 93.2              | 10.7                                 | 3.7        | 7.0              |
| September.....                              | 93.9    | 90.7      | 3.2    | 62.3                  | 31.6            | 82.9              | 11.0                                 | 3.7        | 7.3              |
| October.....                                | 93.6    | 91.2      | 2.4    | 64.9                  | 28.7            | 81.8              | 11.8                                 | 4.4        | 7.4              |
| November.....                               | 77.4    | 77.0      | .4     | 54.8                  | 22.6            | 67.7              | 9.7                                  | 3.9        | 5.8              |
| December.....                               | 63.6    | 62.9      | .7     | 45.1                  | 18.5            | 53.4              | 10.2                                 | 3.2        | 7.0              |
| 1957: January.....                          | 63.0    | 60.1      | 2.9    | 44.0                  | 19.0            | 52.2              | 10.8                                 | 3.5        | 7.3              |
| February.....                               | 65.8    | 63.1      | 2.7    | 46.6                  | 19.2            | 54.3              | 11.5                                 | 3.7        | 7.8              |
| March.....                                  | 87.0    | 79.3      | 7.7    | 58.5                  | 28.5            | 75.7              | 11.3                                 | 4.1        | 7.2              |
| April.....                                  | 93.7    | 91.4      | 2.3    | 63.5                  | 30.2            | 80.3              | 13.4                                 | 4.6        | 8.8              |
| May.....                                    | 103.0   | 96.9      | 6.1    | 68.2                  | 34.8            | 86.5              | 16.5                                 | 4.8        | 11.7             |
| June.....                                   | 97.0    | 92.0      | 5.0    | 68.0                  | 29.0            | (4)               | (4)                                  | (4)        | (4)              |
| July.....                                   | 96.0    | 90.2      | 5.8    | 62.7                  | 33.3            | (4)               | (4)                                  | (4)        | (4)              |
| August.....                                 | 95.0    | 92.6      | 2.4    | 65.6                  | 29.4            | (4)               | (4)                                  | (4)        | (4)              |
| Percent change                              |         |           |        |                       |                 |                   |                                      |            |                  |
| First 8 months, 1956-57.....                | -11.3   | -13.8     | +99.4  | -13.7                 | -5.7            | --                | --                                   | --         | --               |
| July-August, 1957.....                      | -1.0    | +2.7      | -58.6  | +4.6                  | -11.7           | --                | --                                   | --         | --               |
| August, 1956-57.....                        | -8.6    | -10.3     | +242.9 | -7.5                  | -10.9           | --                | --                                   | --         | --               |
| PERCENT DISTRIBUTION                        |         |           |        |                       |                 |                   |                                      |            |                  |
| Year: 1946.....                             | 100     | 98.8      | 1.2    | --                    | --              | 88.0              | 12.0                                 | --         | --               |
| 1947.....                                   | 100     | 99.6      | .4     | --                    | --              | 87.2              | 12.8                                 | --         | --               |
| 1948.....                                   | 100     | 98.1      | 1.9    | --                    | --              | 82.3              | 17.7                                 | --         | --               |
| 1949.....                                   | 100     | 96.5      | 3.5    | --                    | --              | 77.5              | 22.5                                 | --         | --               |
| 1950.....                                   | 100     | 96.9      | 3.1    | 73.2                  | 26.8            | 82.7              | 17.3                                 | --         | --               |
| 1951.....                                   | 100     | 93.5      | 6.5    | 71.2                  | 28.8            | 82.5              | 17.5                                 | --         | --               |
| 1952.....                                   | 100     | 94.8      | 5.2    | 70.5                  | 29.5            | 83.6              | 16.4                                 | --         | --               |
| 1953.....                                   | 100     | 96.8      | 3.2    | 72.8                  | 27.2            | 85.0              | 15.0                                 | --         | --               |
| 1954.....                                   | 100     | 98.5      | 1.5    | 73.5                  | 26.5            | 88.3              | 11.7                                 | 4.3        | 7.4              |
| 1955.....                                   | 100     | 98.5      | 1.5    | 73.4                  | 26.6            | 89.9              | 10.1                                 | 3.7        | 6.4              |
| 1956.....                                   | 100     | 97.8      | 2.2    | 69.7                  | 30.3            | 88.5              | 11.5                                 | 4.2        | 7.3              |
| First 8 months, 1956.....                   | 100     | 97.8      | 2.2    | 70.0                  | 30.0            | 89.1              | 10.9                                 | 4.0        | 6.9              |
| First 8 months, 1957.....                   | 100     | 95.0      | 5.0    | 68.1                  | 31.9            | --                | --                                   | --         | --               |
| 1956: August.....                           | 100     | 99.3      | .7     | 68.2                  | 31.8            | 89.7              | 10.8                                 | 3.6        | 6.7              |
| September.....                              | 100     | 96.6      | 3.4    | 66.3                  | 33.7            | 88.3              | 11.7                                 | 3.9        | 7.8              |
| October.....                                | 100     | 97.4      | 2.6    | 69.3                  | 30.7            | 87.4              | 12.6                                 | 4.7        | 7.9              |
| November.....                               | 100     | 99.5      | .5     | 70.8                  | 29.2            | 87.5              | 12.5                                 | 5.0        | 7.5              |
| December.....                               | 100     | 98.9      | 1.1    | 70.9                  | 29.1            | 84.0              | 16.0                                 | 5.0        | 11.0             |
| 1957: January.....                          | 100     | 95.4      | 4.6    | 69.8                  | 30.2            | 82.9              | 17.1                                 | 5.6        | 11.5             |
| February.....                               | 100     | 95.9      | 4.1    | 70.8                  | 29.2            | 82.5              | 17.5                                 | 5.6        | 11.9             |
| March.....                                  | 100     | 91.1      | 8.9    | 67.2                  | 32.8            | 87.0              | 13.0                                 | 4.7        | 8.3              |
| April.....                                  | 100     | 97.5      | 2.5    | 67.8                  | 32.2            | 85.7              | 14.3                                 | 4.9        | 9.4              |
| May.....                                    | 100     | 94.1      | 5.9    | 66.2                  | 33.8            | 84.0              | 16.0                                 | 4.7        | 11.3             |
| June.....                                   | 100     | 94.8      | 5.2    | 70.1                  | 29.9            | --                | --                                   | --         | --               |
| July.....                                   | 100     | 94.0      | 6.0    | 65.3                  | 34.7            | --                | --                                   | --         | --               |
| August.....                                 | 100     | 97.5      | 2.5    | 69.1                  | 30.9            | --                | --                                   | --         | --               |

Source: Department of Labor.

<sup>1</sup> Data by urban and rural-nonfarm classification for 1920-53 are available upon request.

<sup>2</sup> Annual data

not available before 1950; monthly data not available before January 1953.

<sup>3</sup> Not available before January 1954. Tabulations showing the number of units in 2-family and 3-or-more family structures for 1920-53 are available upon request.

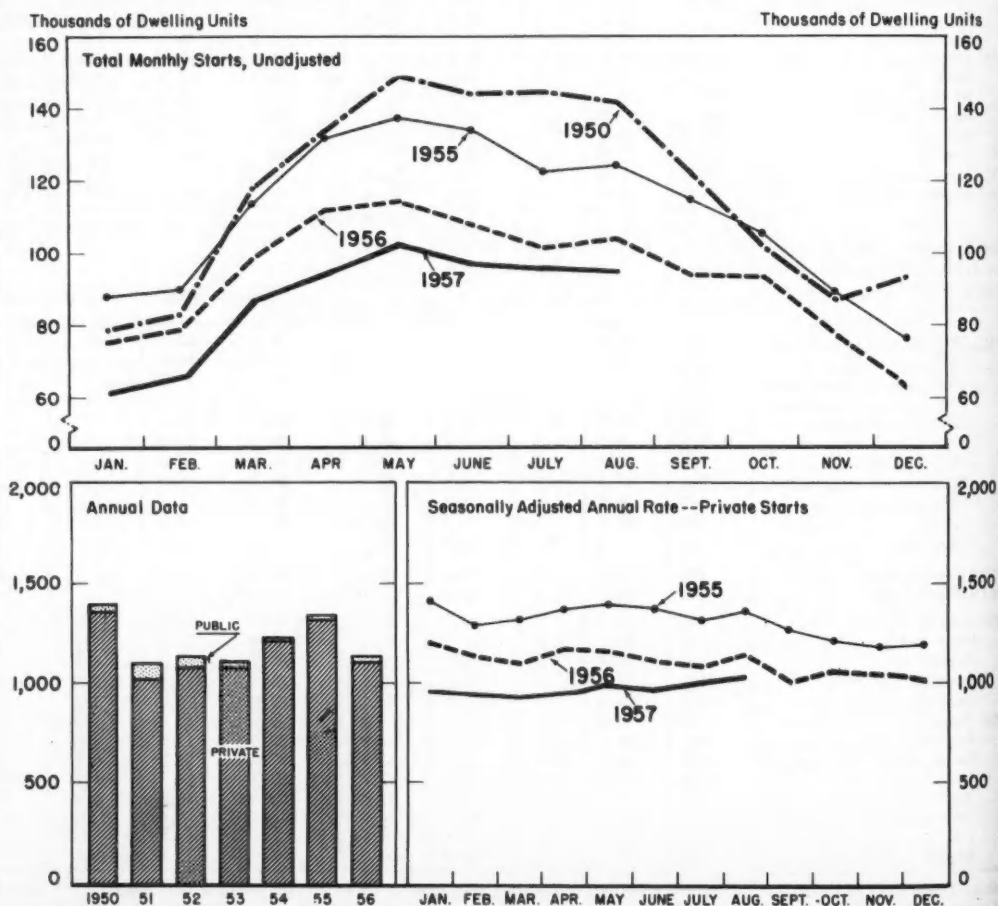
<sup>4</sup> Not yet available.

Table B-2: New Private Nonfarm Dwelling Units Started: Seasonally Adjusted Annual Rate

| Year      | Number of new dwelling units (in thousands) |       |       |       |       |       |       |       |       |       |       |       |
|-----------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1946..... | 682   | 709   | 756   | 719   | 698   | 662   | 642   | 638   | 601   | 607   | 612   | 647   |
| 1947..... | 694   | 720   | 696   | 710   | 749   | 802   | 847   | 899   | 981   | 1,018 | 1,013 | 962   |
| 1948..... | 938   | 829   | 955   | 1,019 | 997   | 990   | 969   | 898   | 862   | 806   | 802   | 807   |
| 1949..... | 800   | 796   | 814   | 885   | 905   | 929   | 964   | 1,028 | 1,094 | 1,156 | 1,240 | 1,250 |
| 1950..... | 1,306                                       | 1,310 | 1,406 | 1,390 | 1,448 | 1,476 | 1,460 | 1,478 | 1,282 | 1,149 | 1,120 | 1,269 |
| 1951..... | 1,343                                       | 1,156 | 1,068 | 990   | 983   | 948   | 925   | 961   | 1,052 | 1,002 | 976   | 967   |
| 1952..... | 1,000                                       | 1,086 | 1,060 | 1,037 | 1,039 | 1,029 | 1,084 | 1,075 | 1,099 | 1,121 | 1,100 | 1,092 |
| 1953..... | 1,102                                       | 1,083 | 1,122 | 1,134 | 1,097 | 1,082 | 1,045 | 1,021 | 1,024 | 1,026 | 1,050 | 1,032 |
| 1954..... | 1,044                                       | 1,098 | 1,101 | 1,116 | 1,104 | 1,181 | 1,225 | 1,228 | 1,277 | 1,274 | 1,373 | 1,435 |
| 1955..... | 1,416                                       | 1,286 | 1,314 | 1,374 | 1,398 | 1,371 | 1,318 | 1,346 | 1,262 | 1,209 | 1,179 | 1,192 |
| 1956..... | 1,195                                       | 1,127 | 1,094 | 1,157 | 1,146 | 1,091 | 1,070 | 1,136 | 1,008 | 1,052 | 1,027 | 1,020 |
| 1957..... | 962   | 935   | 933   | 962   | 994   | 970   | 980   | 1,010 |       |       |       |       |

Source: Department of Labor.

Chart 3.

**Housing Starts** (UNADJUSTED AND SEASONALLY ADJUSTED)

SOURCE: DEPARTMENT OF LABOR.

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# CONSTRUCTION REVIEW

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Table B-3: New Private 1-Family Houses Started: Average Construction Cost

| Year                         | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    | Annual average |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| AVERAGE CONSTRUCTION COST    |         |         |         |         |         |         |         |         |         |         |         |         |                |
| 1946.....                    | \$5,250 | \$5,400 | \$5,850 | \$5,575 | \$5,475 | \$5,425 | \$5,375 | \$5,450 | \$5,450 | \$5,625 | \$5,675 | \$5,575 | \$5,525        |
| 1947.....                    | 5,700   | 5,825   | 6,150   | 6,275   | 6,250   | 6,450   | 6,725   | 6,950   | 7,025   | 7,275   | 7,525   | 7,650   | 6,750          |
| 1948.....                    | 7,250   | 7,450   | 7,550   | 7,775   | 7,950   | 8,050   | 8,050   | 8,100   | 7,900   | 7,825   | 7,900   | 7,900   | 7,850          |
| 1949.....                    | 7,650   | 7,525   | 7,450   | 7,500   | 7,650   | 7,675   | 7,525   | 7,650   | 7,725   | 7,675   | 7,675   | 7,625   | 7,625          |
| 1950.....                    | 7,625   | 7,850   | 8,225   | 8,450   | 8,450   | 8,750   | 8,875   | 9,125   | 8,900   | 9,200   | 9,075   | 9,200   | 8,675          |
| 1951.....                    | 9,100   | 9,250   | 9,175   | 9,325   | 9,475   | 9,475   | 9,400   | 9,300   | 9,450   | 9,225   | 9,250   | 9,125   | 9,300          |
| 1952.....                    | 9,050   | 9,275   | 9,350   | 9,550   | 9,575   | 9,675   | 9,500   | 9,425   | 9,600   | 9,525   | 9,550   | 9,525   | 9,475          |
| 1953.....                    | 9,400   | 9,600   | 9,800   | 10,000  | 9,900   | 10,000  | 10,125  | 10,175  | 10,200  | 10,175  | 9,975   | 10,000  | 9,950          |
| 1954.....                    | 9,750   | 9,800   | 10,075  | 10,600  | 10,850  | 10,750  | 10,850  | 10,750  | 10,675  | 10,800  | 10,850  | 11,075  | 10,625         |
| 1955.....                    | 10,575  | 11,125  | 11,250  | 11,250  | 11,400  | 11,400  | 11,475  | 11,425  | 11,525  | 11,575  | 11,575  | 11,625  | 11,350         |
| 1956.....                    | 11,325  | 11,750  | 12,150  | 12,275  | 12,300  | 12,300  | 12,375  | 12,275  | 12,325  | 12,425  | 12,675  | 12,350  | 12,225         |
| 1957.....                    | 12,175  | 12,400  | 12,525  | 12,625  | 12,825  | (1)     | (1)     | (1)     |         |         |         |         |                |
| Percent change, 1956 to 1957 |         |         |         |         |         |         |         |         |         |         |         |         |                |
|                              | +7.5    | +5.5    | +3.1    | +2.9    | +4.3    | --      | --      | --      |         |         |         |         |                |

Source: Department of Labor.

<sup>1</sup> Not yet available.

Table B-4: New Nonfarm Dwelling Units Started, by Region<sup>1</sup>

| Region          | Number of new dwelling units (in thousands) |      |      |      |      |      |      |      |       |                |       | Percent change,<br>1st 5 mos.<br>1956-57 |
|-----------------|---|------|------|------|------|------|------|------|-------|----------------|-------|--|
|                 | 1956  |      |      |      | 1957 |      |      |      |       | First 5 months |       |  |
|                 | May   | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May   | 1956           | 1957  |  |
| TOTAL.....      | 113.7                                       | 93.6 | 77.4 | 63.6 | 63.0 | 65.8 | 87.0 | 93.7 | 103.0 | 477.2          | 412.5 | -13.6                                    |
| Northeast.....  | 24.7  | 20.1 | 16.5 | 12.4 | 9.3  | 9.7  | 14.8 | 19.9 | 20.9  | 93.8           | 74.6  | -20.5                                    |
| North Central.. | 33.3  | 26.2 | 19.2 | 14.2 | 10.7 | 14.0 | 22.1 | 23.7 | 25.7  | 125.1          | 96.2  | -23.1                                    |
| South.....      | 32.8  | 27.5 | 22.7 | 21.1 | 24.8 | 24.6 | 29.4 | 28.1 | 33.7  | 147.1          | 140.6 | - 4.4                                    |
| West.....       | 22.9  | 19.8 | 19.0 | 15.9 | 18.2 | 17.5 | 20.7 | 22.0 | 22.7  | 111.2          | 101.1 | - 9.1                                    |

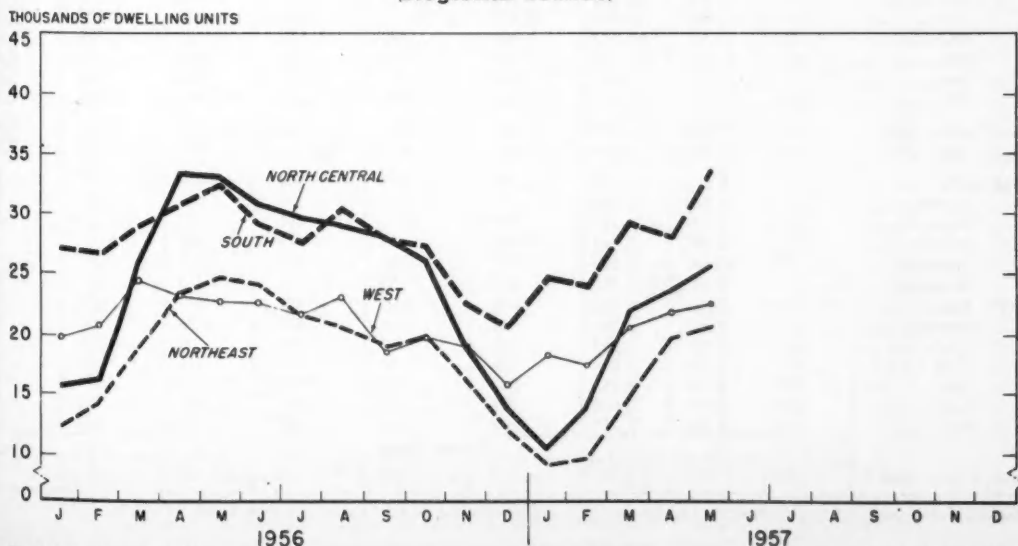
Source: Department of Labor.

<sup>1</sup> Composition of regions, and nonfarm population distribution by region, are shown below table A-2.

(NOTE: Table B-5, New Nonfarm Dwelling Units Started in Selected States, is shown quarterly in the February, May, August, and November issues.)

Chart 4.

## Housing Starts (Regional Trends)



SOURCE: DEPARTMENT OF LABOR.

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## CONSTRUCTION REVIEW

Table B-6: New Private Dwelling Units: Volume in Successive Stages of FHA and VA Programs

| Period                               | Number (in thousands) of new dwelling units in-- |                                 |                       |                              |       |                       |                                 |                 | Percent of total private starts under inspection of-- |    |
|--------------------------------------|--|---------------------------------|-----------------------|------------------------------|-------|-----------------------|---------------------------------|-----------------|---|----|
|                                      | FHA applications                                 |                                 | VA appraisal requests | Starts under inspection of-- |       | FHA mortgages insured |                                 | VA loans closed | FHA   | VA |
|                                      | Total  | Excluding Capehart <sup>1</sup> |                       | FHA                          | VA    | Total                 | Excluding Capehart <sup>1</sup> |                 |   |    |
| Year: 1950.....                      | 625.3  | 625.3                           | (2)                   | 486.7                        | (2)   | 378.7                 | 378.7                           | 209.0           | 36  | 15 |
| 1951.....                            | 267.1  | 267.1                           | 164.4                 | 263.5                        | 148.7 | 235.0                 | 235.0                           | 286.5           | 26  | 15 |
| 1952.....                            | 323.9  | 323.8                           | 226.3                 | 279.9                        | 141.3 | 162.6                 | 162.6                           | 192.2           | 26  | 13 |
| 1953.....                            | 327.3  | 327.3                           | 251.4                 | 252.0                        | 156.6 | 182.5                 | 182.5                           | 202.9           | 24  | 15 |
| 1954.....                            | 383.3  | 383.3                           | 535.4                 | 276.3                        | 307.0 | 150.1                 | 150.1                           | 243.1           | 23  | 26 |
| 1955.....                            | 314.9  | 314.9                           | 620.8                 | 276.7                        | 392.9 | 139.8                 | 139.8                           | 387.6           | 21  | 30 |
| 1956.....                            | 227.6  | 219.4                           | 401.5                 | 189.3                        | 270.7 | 116.2                 | 110.9                           | 313.5           | 17  | 25 |
| 1956: August.....                    | 19.1   | 18.5                            | 36.5                  | 18.6                         | 24.4  | 9.6                   | 9.6                             | 25.5            | 18  | 24 |
| September.....                       | 14.0   | 13.9                            | 30.0                  | 15.1                         | 24.0  | 8.6                   | 7.8                             | 25.4            | 17  | 26 |
| October.....                         | 18.2   | 17.1                            | 29.7                  | 15.5                         | 24.0  | 10.7                  | 9.6                             | 26.0            | 17  | 26 |
| November.....                        | 14.8   | 13.5                            | 21.9                  | 12.1                         | 17.8  | 8.1                   | 8.1                             | 24.7            | 16  | 23 |
| December.....                        | 12.9   | 10.9                            | 19.0                  | 9.6                          | 15.0  | 8.7                   | 7.3                             | 25.0            | 15  | 24 |
| 1957: January.....                   | 14.8   | 13.1                            | 18.9                  | 7.7                          | 12.0  | 9.7                   | 8.0                             | 30.3            | 13  | 20 |
| February.....                        | 22.0   | 14.0                            | 20.2                  | 9.3                          | 9.9   | 10.2                  | 7.3                             | 24.4            | 15  | 16 |
| March.....                           | 22.2   | 20.1                            | 19.5                  | 11.3                         | 11.4  | 13.0                  | 7.6                             | 21.8            | 14  | 14 |
| April.....                           | 25.7   | 20.4                            | 19.4                  | 12.1                         | 13.5  | 8.7                   | 7.1                             | 20.6            | 13  | 15 |
| May.....                             | 23.3   | 20.2                            | 16.6                  | 14.9                         | 12.0  | 10.7                  | 6.7                             | 16.6            | 15  | 12 |
| June.....                            | 22.8   | 20.1                            | 13.7                  | 15.3                         | 13.0  | 6.8                   | 6.3                             | 16.2            | 17  | 14 |
| July.....                            | 22.0   | 21.2                            | 14.0                  | 15.7                         | 12.3  | 11.0                  | 7.6                             | 15.6            | 17  | 14 |
| August.....                          | 28.8   | 25.6                            | 14.5                  | 17.7                         | 11.6  | 10.2                  | 8.5                             | 14.5            | 19  | 13 |
| First 8 months:                      |  |                                 |                       |                              |       |                       |                                 |                 |   |    |
| 1956.....                            | 167.7  | 164.0                           | 300.9                 | 137.1                        | 190.0 | 80.2                  | 78.1                            | 212.3           | 18  | 25 |
| 1957.....                            | 181.7  | 154.8                           | 136.9                 | 104.0                        | 95.7  | 80.3                  | 59.1                            | 159.9           | 16  | 14 |
| Percent change,<br>1956 to 1957..... | +8.3   | -5.6                            | -54.5                 | -24.1                        | -49.6 | + .1                  | -24.3                           | -24.7           | --  | -- |

Source: Table compiled by Department of Labor from data reported by the Federal Housing Administration (FHFA) and the Veterans Administration. <sup>1</sup> Excludes units under the armed services (Capehart) housing program, which are classified as public and whose inspection while under construction is under the auspices of the Department of Defense. <sup>2</sup> Not available.

Table B-7: Nonfarm Mortgage Recordings of \$20,000 or Less: Number and Average Amount, and Total Amount by Type of Lender

| Period                  | Total number (in thousands) | Average amount (dollars) | Total amount (in millions of dollars) recorded by-- |                               |                     |                  |                      |             |                   |
|-------------------------|-----------------------------|--------------------------|---|-------------------------------|---------------------|------------------|----------------------|-------------|-------------------|
|                         |                             |                          | All lenders   | Savings and loan associations | Insurance companies | Commercial banks | Mutual savings banks | Individuals | All other lenders |
| Year: 1950.....         | 3,032                       | 5,335                    | 16,179  | 5,060                         | 1,618               | 3,365            | 1,064                | 2,299       | 2,774             |
| 1951.....               | 2,878                       | 5,701                    | 16,405  | 5,295                         | 1,615               | 3,370            | 1,013                | 2,539       | 2,572             |
| 1952.....               | 3,028                       | 5,950                    | 18,018  | 6,452                         | 1,420               | 3,600            | 1,137                | 2,758       | 2,651             |
| 1953.....               | 3,164                       | 6,241                    | 19,747  | 7,365                         | 1,480               | 3,680            | 1,327                | 2,841       | 3,055             |
| 1954.....               | 3,458                       | 6,644                    | 22,974  | 8,312                         | 1,768               | 4,239            | 1,501                | 2,882       | 4,272             |
| 1955.....               | 3,913                       | 7,279                    | 28,484  | 10,452                        | 1,932               | 5,617            | 1,858                | 3,362       | 5,265             |
| 1956.....               | 3,602                       | 7,521                    | 27,088  | 9,532                         | 1,799               | 5,458            | 1,824                | 3,558       | 4,917             |
| First 7 mos., 1956..... | 2,119                       | 7,488                    | 15,875  | 5,608                         | 1,067               | 3,262            | 996                  | 2,073       | 2,869             |
| First 7 mos., 1957..... | 1,894                       | 7,417                    | 14,055  | 5,331                         | 842                 | 2,479            | 810                  | 2,103       | 2,490             |
| 1956: July.....         | 312                         | 7,621                    | 2,374   | 851                           | 159                 | 464              | 168                  | 307         | 425               |
| August.....             | 336                         | 7,562                    | 2,544   | 921                           | 163                 | 508              | 181                  | 319         | 452               |
| September.....          | 290                         | 7,534                    | 2,185   | 779                           | 139                 | 441              | 163                  | 275         | 388               |
| October.....            | 322                         | 7,535                    | 2,425   | 848                           | 154                 | 475              | 183                  | 327         | 438               |
| November.....           | 277                         | 7,608                    | 2,108   | 717                           | 136                 | 409              | 152                  | 293         | 401               |
| December.....           | 257                         | 7,582                    | 1,951   | 660                           | 138                 | 366              | 148                  | 270         | 369               |
| 1957: January.....      | 258                         | 7,541                    | 1,942   | 659                           | 133                 | 353              | 117                  | 304         | 376               |
| February.....           | 237                         | 7,381                    | 1,749   | 644                           | 105                 | 308              | 96                   | 271         | 325               |
| March.....              | 264                         | 7,333                    | 1,937   | 744                           | 115                 | 335              | 99                   | 293         | 351               |
| April.....              | 277                         | 7,390                    | 2,044   | 798                           | 116                 | 357              | 110                  | 306         | 357               |
| May.....                | 289                         | 7,431                    | 2,144   | 840                           | 125                 | 374              | 120                  | 314         | 371               |
| June.....               | 274                         | 7,407                    | 2,028   | 795                           | 118                 | 363              | 125                  | 290         | 357               |
| July.....               | 296                         | 7,456                    | 2,211   | 852                           | 130                 | 390              | 142                  | 325         | 371               |
| Percent change          |                             |                          |   |                               |                     |                  |                      |             |                   |
| First 7 mos., 1956-57   | -11                         | -1                       | -11   | -5                            | -21                 | -24              | -19                  | +1          | -11               |

Source: Table compiled by Department of Labor from data reported by the Federal Home Loan Bank Board.

(NOTE: Tables B-8 and B-9, Housing Vacancy Rates, are shown quarterly in the March, June, September, and December issues.)

## Part C--Building Permits

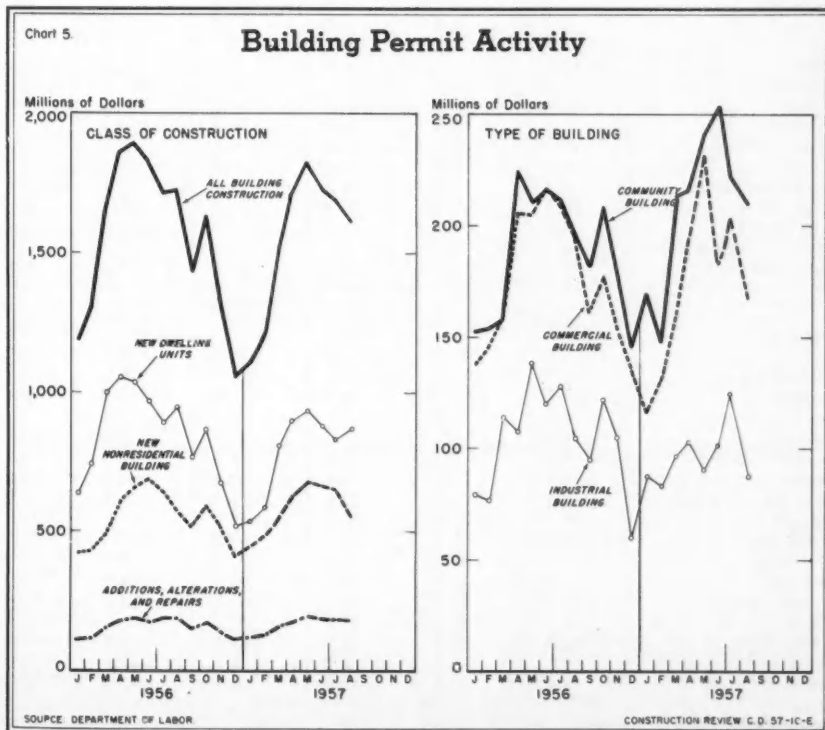
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NOTE: Beginning with this issue of Construction Review, Building Permit Activity data will no longer be shown separately for "public buildings." For the period January 1956 through June 1957, buildings formerly included in this category have been reclassified, according to function, into other categories (e.g., office, industrial, or institutional buildings) as noted in tables C-1, C-2, C-3, and C-9, with the remainder included with "other nonresidential buildings." Revised statistics for periods before January 1956 are not available, but the effect on comparability for any one type of building would be minor for most months.

Table C-1: Building Permit Activity: Current Summary, by Type of Building Construction

| Type of building construction                | Valuation (in millions of dollars) |          |          |          |                |           | Percent change, Aug. 1956-57 |
|--|------------------------------------|----------|----------|----------|----------------|-----------|------------------------------|
|  | 1957                               |          |          | 1956     | First 8 months |           |                              |
|  | Aug.                               | July     | June     | Aug.     | 1957           | 1956      |                              |
| All building construction <sup>1</sup> ..... | 1,613.9                            | 1,681.3  | 1,748.7  | 1,744.5  | 12,447.6       | 13,281.4  | - 7                          |
| Private .....                                | 1,454.7                            | 1,517.5  | 1,484.0  | 1,603.1  | 11,033.3       | 11,978.0  | - 9                          |
| Public .....                                 | 159.2                              | 163.8    | 263.7    | 141.4    | 1,414.3        | 1,303.4   | +13                          |
| New dwelling units <sup>2</sup> .....        | 865.0                              | 823.8    | 881.9    | 958.6    | 6,328.3        | 7,323.0   | -10                          |
| Number of new dwelling units .....           | (79,338)                           | (75,205) | (79,911) | (87,382) | (582,082)      | (683,274) | (- 9)                        |
| New nonresidential building .....            | 552.2                              | 653.8    | 663.4    | 580.8    | 4,663.6        | 4,579.3   | - 5                          |
| Commercial buildings*.....                   | 167.6                              | 203.2    | 183.5    | 195.4    | 1,431.0        | 1,529.5   | -14                          |
| Stores and other mercantile buildings ....   | 71.3                               | 95.1     | 82.2     | 92.4     | 619.2          | 704.5     | -23                          |
| All other commercial buildings*.....         | 96.3                               | 108.1    | 101.3    | 103.0    | 811.8          | 825.0     | - 7                          |
| Community buildings.....                     | 209.0                              | 222.3    | 253.5    | 195.7    | 1,682.0        | 1,529.0   | + 7                          |
| Industrial buildings*.....                   | 87.1                               | 124.9    | 101.9    | 105.6    | 787.3          | 877.0     | -18                          |
| All other nonresidential buildings*.....     | 88.5                               | 103.4    | 124.4    | 84.2     | 763.3          | 643.9     | + 5                          |
| Additions, alterations, and repairs .....    | 182.6                              | 188.6    | 191.6    | 182.2    | 1,347.9        | 1,279.9   | (3)                          |

Source: Department of Labor. <sup>1</sup> Includes new nonhousekeeping residential building, not shown separately. <sup>2</sup> Housekeeping only.  
<sup>3</sup> Change of less than one-half of 1 percent. \* Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.





## CONSTRUCTION REVIEW

Table C-2: Building Permit Activity: Valuation, by Type of Building Construction and Region<sup>1</sup>

| Type of building construction                | Valuation (in millions of dollars) |         |         |         |                |          | Percent change, 1st 7 months 1956-57 |
|--|------------------------------------|---------|---------|---------|----------------|----------|--------------------------------------|
|  | 1956                               | 1957    |         |         | First 7 months |          |                                      |
|  | July                               | May     | June    | July    | 1956           | 1957     |                                      |
| UNITED STATES                                |                                    |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 1,724.2                            | 1,829.7 | 1,748.7 | 1,681.3 | 11,536.9       | 10,833.7 | -6                                   |
| New dwelling units <sup>3</sup> .....        | 892.1                              | 935.9   | 881.9   | 823.8   | 6,364.4        | 5,463.3  | -14                                  |
| New nonresidential building .....            | 638.8                              | 676.8   | 663.4   | 653.8   | 3,998.5        | 4,111.4  | +3                                   |
| Commercial buildings* .....                  | 208.5                              | 231.7   | 183.5   | 203.2   | 1,334.1        | 1,263.4  | -5                                   |
| Amusement buildings* .....                   | 12.7                               | 13.4    | 13.8    | 11.9    | 71.0           | 78.6     | +11                                  |
| Commercial garages .....                     | 7.0                                | 7.1     | 6.9     | 5.3     | 37.4           | 38.4     | +3                                   |
| Gasoline and service stations .....          | 13.6                               | 15.5    | 13.8    | 14.8    | 92.7           | 97.8     | +6                                   |
| Office buildings* .....                      | 94.1                               | 106.1   | 66.8    | 76.2    | 520.9          | 500.6    | -4                                   |
| Stores and other mercantile bldgs. ....      | 81.1                               | 89.6    | 82.2    | 95.1    | 612.1          | 548.0    | -10                                  |
| Community buildings* .....                   | 211.6                              | 241.6   | 253.5   | 222.3   | 1,333.3        | 1,473.0  | +10                                  |
| Educational buildings .....                  | 110.7                              | 155.7   | 123.1   | 121.4   | 853.2          | 887.9    | +4                                   |
| Institutional buildings* .....               | 54.6                               | 36.4    | 83.2    | 60.4    | 213.4          | 303.8    | +42                                  |
| Religious buildings .....                    | 46.3                               | 49.5    | 47.2    | 40.5    | 266.7          | 281.2    | +5                                   |
| Garages, private residential .....           | 21.8                               | 23.1    | 22.7    | 21.6    | 112.1          | 113.5    | +1                                   |
| Industrial buildings* .....                  | 127.8                              | 90.5    | 101.9   | 124.9   | 771.4          | 700.2    | -9                                   |
| Public utilities buildings* .....            | 37.8                               | 45.8    | 37.7    | 49.5    | 186.3          | 279.8    | +50                                  |
| All other nonresidential buildings* .....    | 31.3                               | 44.0    | 64.1    | 32.3    | 261.3          | 281.5    | +8                                   |
| Additions, alterations, and repairs .....    | 183.7                              | 198.9   | 191.6   | 188.6   | 1,097.7        | 1,165.3  | +6                                   |
| Northeast                                    |                                    |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 347.7                              | 439.2   | 338.4   | 343.5   | 2,455.7        | 2,245.4  | -9                                   |
| New dwelling units <sup>3</sup> .....        | 192.1                              | 195.5   | 183.7   | 162.3   | 1,363.5        | 1,075.7  | -21                                  |
| New nonresidential building .....            | 114.9                              | 189.2   | 112.3   | 139.5   | 846.7          | 903.3    | +7                                   |
| Commercial buildings* .....                  | 36.8                               | 88.3    | 35.3    | 38.0    | 270.9          | 296.2    | +9                                   |
| Amusement buildings* .....                   | 1.7                                | 4.2     | 3.5     | 2.3     | 15.6           | 18.7     | +20                                  |
| Commercial garages .....                     | 2.3                                | 1.9     | 1.8     | 2.8     | 11.9           | 11.8     | -1                                   |
| Gasoline and service stations .....          | 2.2                                | 3.1     | 2.8     | 2.8     | 16.4           | 17.6     | +7                                   |
| Office buildings* .....                      | 18.7                               | 63.1    | 14.6    | 13.2    | 121.6          | 144.7    | +19                                  |
| Stores and other mercantile bldgs. ....      | 11.9                               | 16.1    | 12.5    | 16.9    | 105.5          | 103.3    | -2                                   |
| Community buildings* .....                   | 46.3                               | 58.9    | 43.0    | 54.3    | 340.7          | 335.3    | -2                                   |
| Educational buildings .....                  | 25.7                               | 38.3    | 24.0    | 39.8    | 224.4          | 227.5    | +1                                   |
| Institutional buildings* .....               | 13.1                               | 9.7     | 11.0    | 8.5     | 61.7           | 53.9     | -13                                  |
| Religious buildings .....                    | 7.4                                | 10.9    | 8.0     | 5.9     | 54.7           | 53.9     | -1                                   |
| Garages, private residential .....           | 4.2                                | 4.6     | 4.4     | 3.8     | 22.6           | 22.3     | -1                                   |
| Industrial buildings* .....                  | 16.2                               | 26.0    | 17.1    | 25.2    | 144.6          | 143.3    | -1                                   |
| Public utilities buildings* .....            | 4.6                                | 1.6     | 3.5     | 12.2    | 27.6           | 52.6     | +91                                  |
| All other nonresidential buildings* .....    | 6.8                                | 9.9     | 9.0     | 6.0     | 40.2           | 53.7     | +34                                  |
| Additions, alterations, and repairs .....    | 39.6                               | 51.6    | 40.3    | 39.6    | 232.1          | 252.3    | +9                                   |
| North Central                                |                                    |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 556.1                              | 542.1   | 558.5   | 515.4   | 3,493.8        | 3,162.4  | -9                                   |
| New dwelling units <sup>3</sup> .....        | 291.6                              | 283.0   | 277.6   | 256.9   | 1,987.2        | 1,577.0  | -21                                  |
| New nonresidential building .....            | 209.8                              | 202.1   | 230.6   | 202.0   | 1,188.0        | 1,267.0  | +7                                   |
| Commercial buildings* .....                  | 60.4                               | 42.2    | 48.6    | 51.0    | 362.8          | 308.0    | -15                                  |
| Amusement buildings* .....                   | 6.8                                | 2.6     | 3.2     | 1.5     | 22.5           | 18.6     | -17                                  |
| Commercial garages .....                     | 1.0                                | 3.5     | 2.7     | .5      | 8.8            | 10.5     | +19                                  |
| Gasoline and service stations .....          | 4.3                                | 5.1     | 4.6     | 5.3     | 27.1           | 31.4     | +16                                  |
| Office buildings* .....                      | 28.1                               | 12.2    | 7.7     | 18.9    | 130.9          | 111.4    | -15                                  |
| Stores and other mercantile bldgs. ....      | 20.1                               | 18.8    | 30.3    | 24.7    | 173.5          | 135.9    | -22                                  |
| Community buildings* .....                   | 76.5                               | 77.0    | 99.5    | 72.4    | 391.5          | 476.8    | +22                                  |
| Educational buildings .....                  | 37.7                               | 52.1    | 40.8    | 38.0    | 251.6          | 262.6    | +4                                   |
| Institutional buildings* .....               | 17.7                               | 7.6     | 36.8    | 20.8    | 55.5           | 112.9    | +103                                 |
| Religious buildings .....                    | 21.1                               | 17.3    | 22.0    | 13.6    | 84.5           | 101.4    | +20                                  |
| Garages, private residential .....           | 12.4                               | 13.8    | 14.2    | 13.1    | 58.9           | 62.4     | +6                                   |
| Industrial buildings* .....                  | 41.1                               | 32.9    | 46.8    | 40.1    | 262.8          | 263.4    | (4)                                  |
| Public utilities buildings* .....            | 11.2                               | 28.0    | 12.2    | 18.8    | 64.9           | 108.2    | +67                                  |
| All other nonresidential buildings* .....    | 8.2                                | 8.2     | 9.2     | 6.7     | 47.1           | 48.3     | +3                                   |
| Additions, alterations, and repairs .....    | 52.0                               | 55.0    | 48.0    | 54.2    | 299.9          | 305.5    | +2                                   |

See footnotes at end of table.

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Table C-2: Building Permit Activity: Valuation, by Type of Building Construction and Region-- Continued

| Type of building construction                | Valuation (in millions of dollars) |       |       |       |                |         | Percent change, 1st 7 months 1956-57 |
|--|------------------------------------|-------|-------|-------|----------------|---------|--------------------------------------|
|  | 1956                               | 1957  |       |       | First 7 months |         |                                      |
|  | July                               | May   | June  | July  | 1956           | 1957    |                                      |
|  | South                              |       |       |       |                |         |                                      |
| All building construction <sup>2</sup> ..... | 395.1                              | 425.7 | 465.6 | 439.6 | 2,755.0        | 2,790.9 | + 1                                  |
| New dwelling units <sup>3</sup> .....        | 200.4                              | 232.2 | 220.3 | 223.4 | 1,475.5        | 1,422.4 | - 4                                  |
| New nonresidential building.....             | 140.7                              | 136.1 | 183.1 | 155.8 | 962.3          | 1,000.6 | + 4                                  |
| Commercial buildings* .....                  | 52.0                               | 54.1  | 61.7  | 65.3  | 400.7          | 369.1   | - 8                                  |
| Amusement buildings* .....                   | 1.5                                | 3.9   | 2.9   | 5.3   | 16.0           | 22.1    | +38                                  |
| Commercial garages .....                     | 1.1                                | .9    | .6    | 1.0   | 9.2            | 6.0     | -35                                  |
| Gasoline and service stations .....          | 4.7                                | 4.5   | 4.1   | 4.4   | 32.5           | 31.9    | - 2                                  |
| Office buildings* .....                      | 20.5                               | 15.1  | 32.4  | 21.8  | 157.4          | 135.3   | -14                                  |
| Stores and other mercantile bldgs. ....      | 24.2                               | 29.8  | 21.7  | 32.8  | 185.6          | 173.7   | - 6                                  |
| Community buildings* .....                   | 49.2                               | 51.4  | 71.3  | 54.0  | 318.8          | 375.3   | +18                                  |
| Educational buildings .....                  | 25.1                               | 33.2  | 34.1  | 21.9  | 182.6          | 211.1   | +16                                  |
| Institutional buildings.....                 | 12.4                               | 3.7   | 25.5  | 18.0  | 55.8           | 79.0    | +42                                  |
| Religious buildings .....                    | 11.7                               | 14.5  | 11.7  | 14.0  | 80.3           | 85.2    | + 6                                  |
| Garages, private residential.....            | 1.5                                | 1.8   | 1.6   | 1.9   | 11.4           | 11.3    | - 1                                  |
| Industrial buildings* .....                  | 17.4                               | 11.9  | 24.9  | 15.5  | 116.5          | 127.1   | + 9                                  |
| Public utilities buildings* .....            | 14.8                               | 8.1   | 11.2  | 13.9  | 52.8           | 59.1    | +12                                  |
| All other nonresidential buildings* .....    | 5.8                                | 8.8   | 12.4  | 5.3   | 62.1           | 58.8    | - 5                                  |
| Additions, alterations, and repairs .....    | 50.2                               | 48.6  | 57.4  | 52.2  | 294.3          | 326.6   | +11                                  |
|  | West                               |       |       |       |                |         |                                      |
| All building construction <sup>2</sup> ..... | 425.3                              | 422.7 | 386.2 | 382.9 | 2,832.4        | 2,635.2 | - 7                                  |
| New dwelling units <sup>3</sup> .....        | 208.0                              | 225.2 | 200.3 | 181.3 | 1,538.1        | 1,388.3 | -10                                  |
| New nonresidential building.....             | 173.5                              | 149.4 | 137.4 | 156.4 | 1,001.6        | 940.3   | - 6                                  |
| Commercial buildings* .....                  | 59.4                               | 47.0  | 37.8  | 49.0  | 299.7          | 290.2   | - 3                                  |
| Amusement buildings* .....                   | 2.7                                | 2.7   | 4.1   | 2.8   | 17.0           | 19.2    | +13                                  |
| Commercial garages .....                     | 2.6                                | .9    | 1.8   | 1.0   | 7.5            | 10.1    | +35                                  |
| Gasoline and service stations .....          | 2.4                                | 2.7   | 2.2   | 2.3   | 16.7           | 16.9    | + 1                                  |
| Office buildings* .....                      | 26.8                               | 15.7  | 12.0  | 22.3  | 111.1          | 109.2   | - 2                                  |
| Stores and other mercantile bldgs. ....      | 24.8                               | 25.0  | 17.8  | 20.6  | 147.5          | 134.9   | - 9                                  |
| Community buildings* .....                   | 39.6                               | 54.3  | 39.6  | 41.6  | 282.3          | 285.5   | + 1                                  |
| Educational buildings .....                  | 22.2                               | 32.2  | 24.3  | 21.7  | 194.6          | 186.8   | - 4                                  |
| Institutional buildings* .....               | 11.4                               | 15.3  | 9.9   | 13.0  | 40.4           | 58.0    | +44                                  |
| Religious buildings .....                    | 6.0                                | 6.8   | 5.5   | 7.0   | 47.3           | 40.8    | -14                                  |
| Garages, private residential.....            | 3.7                                | 3.0   | 2.5   | 2.8   | 19.2           | 17.5    | - 9                                  |
| Industrial buildings* .....                  | 53.1                               | 19.7  | 13.2  | 44.1  | 247.5          | 166.5   | -33                                  |
| Public utilities buildings* .....            | 7.2                                | 8.1   | 10.8  | 4.5   | 41.0           | 59.8    | +46                                  |
| All other nonresidential buildings* .....    | 10.5                               | 17.2  | 33.5  | 14.4  | 112.0          | 120.8   | + 8                                  |
| Additions, alterations, and repairs .....    | 42.0                               | 43.7  | 45.9  | 42.6  | 271.4          | 281.0   | + 4                                  |

Source: Department of Labor. <sup>1</sup> Composition of regions, and nonfarm population distribution by region, are shown below table A-2. <sup>2</sup> Includes new nonhousekeeping residential building, not shown separately. <sup>3</sup> Housekeeping only. <sup>4</sup> Change of less than one-half of 1 percent. \*Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.

Table C-3: Building Permit Activity: Number of Nonresidential Buildings, by Type of Building

| Type of building                         | 1956   |       | 1957  |       |        |        |        |        |        |
|--|--------|-------|-------|-------|--------|--------|--------|--------|--------|
|  | July   | Dec.  | Jan.  | Feb.  | Mar.   | Apr.   | May    | June   | July   |
| Amusement buildings* .....               | 265    | 107   | 141   | 159   | 191    | 311    | 304    | 260    | 276    |
| Commercial garages .....                 | 205    | 165   | 149   | 122   | 193    | 191    | 163    | 177    | 97     |
| Educational buildings .....              | 469    | 327   | 327   | 344   | 408    | 440    | 445    | 420    | 451    |
| Garages, private residential .....       | 24,678 | 6,632 | 5,345 | 6,913 | 14,745 | 20,648 | 24,063 | 21,864 | 22,942 |
| Gasoline and service stations .....      | 898    | 695   | 768   | 718   | 883    | 904    | 958    | 846    | 863    |
| Industrial buildings* .....              | 1,202  | 893   | 1,058 | 951   | 1,252  | 1,275  | 1,234  | 1,151  | 1,364  |
| Institutional buildings* .....           | 128    | 51    | 58    | 73    | 96     | 111    | 99     | 142    | 127    |
| Office buildings* .....                  | 659    | 475   | 487   | 545   | 685    | 774    | 729    | 627    | 707    |
| Religious buildings .....                | 571    | 314   | 333   | 391   | 504    | 562    | 592    | 514    | 634    |
| Stores and other mercantile buildings .. | 2,943  | 1,733 | 1,956 | 2,052 | 2,656  | 2,755  | 2,771  | 2,591  | 2,639  |

Source: Department of Labor. \*Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.

## CONSTRUCTION REVIEW

Table C-4: Building Permit Activity: Valuation and Number of New Dwelling Units, by Type of Structure, Public-Private Ownership, and Region <sup>1</sup>

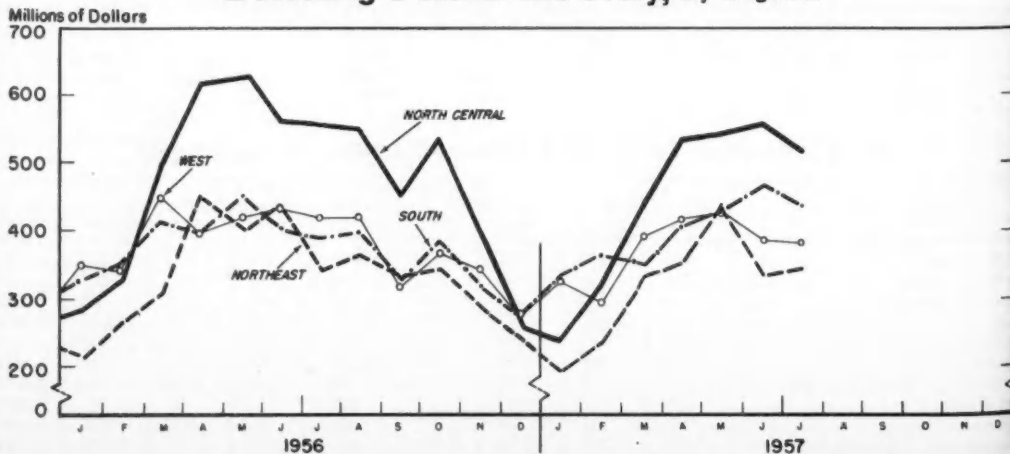
(Housekeeping units only)

| Ownership and type of structure | Valuation (in millions of dollars) |       |       |         |                | Number of dwelling units |        |        |         |                |
|---------------------------------|------------------------------------|-------|-------|---------|----------------|--------------------------|--------|--------|---------|----------------|
|                                 | 1956                               |       | 1957  |         | First 7 months | 1956                     |        | 1957   |         | First 7 months |
|                                 | July                               | June  | July  | 1956    | 1957           | July                     | June   | July   | 1956    | 1957           |
| <b>UNITED STATES</b>            |                                    |       |       |         |                |                          |        |        |         |                |
| All new dwelling units..        | 892.1                              | 881.9 | 823.8 | 6,364.4 | 5,463.3        | 81,765                   | 79,911 | 75,205 | 595,892 | 502,744        |
| Privately owned .....           | 886.0                              | 823.2 | 806.9 | 6,245.9 | 5,335.6        | 81,010                   | 74,983 | 73,580 | 584,070 | 491,156        |
| 1-family .....                  | 824.4                              | 734.1 | 723.9 | 5,813.3 | 4,754.1        | 71,909                   | 61,513 | 60,925 | 517,544 | 403,371        |
| 2-4 family .....                | 26.1                               | 30.3  | 28.9  | 184.3   | 200.0          | 3,709                    | 4,243  | 4,167  | 27,207  | 29,192         |
| 5-or-more family ....           | 35.5                               | 58.8  | 54.1  | 248.3   | 381.6          | 5,392                    | 9,227  | 8,488  | 39,319  | 58,593         |
| Publicly owned .....            | 6.1                                | 58.7  | 16.9  | 118.5   | 127.6          | 755                      | 4,928  | 1,625  | 11,822  | 11,588         |
| <b>Northeast</b>                |                                    |       |       |         |                |                          |        |        |         |                |
| All new dwelling units..        | 192.1                              | 183.7 | 162.3 | 1,363.5 | 1,075.7        | 17,276                   | 15,658 | 13,895 | 124,192 | 92,767         |
| Privately owned .....           | 186.2                              | 171.6 | 156.9 | 1,304.9 | 1,040.0        | 16,541                   | 14,830 | 13,440 | 118,022 | 89,738         |
| 1-family .....                  | 172.2                              | 157.6 | 143.5 | 1,197.9 | 938.3          | 14,964                   | 12,652 | 11,587 | 103,854 | 76,589         |
| 2-4 family .....                | 7.1                                | 5.8   | 4.0   | 44.4    | 34.6           | 915                      | 772    | 570    | 5,998   | 4,758          |
| 5-or-more family ....           | 6.9                                | 8.2   | 9.4   | 62.6    | 67.1           | 662                      | 1,406  | 1,283  | 8,170   | 8,391          |
| Publicly owned .....            | 6.0                                | 12.1  | 5.3   | 58.6    | 35.6           | 735                      | 828    | 455    | 6,170   | 3,029          |
| <b>North Central</b>            |                                    |       |       |         |                |                          |        |        |         |                |
| All new dwelling units..        | 291.6                              | 277.6 | 256.9 | 1,987.2 | 1,577.0        | 23,063                   | 22,175 | 20,242 | 159,820 | 123,079        |
| Privately owned .....           | 291.6                              | 264.4 | 256.9 | 1,954.0 | 1,559.7        | 23,063                   | 20,962 | 20,242 | 156,634 | 121,567        |
| 1-family .....                  | 279.2                              | 233.6 | 237.7 | 1,868.6 | 1,422.9        | 21,495                   | 17,470 | 17,920 | 146,853 | 105,493        |
| 2-4 family .....                | 6.3                                | 11.1  | 10.0  | 51.8    | 64.6           | 620                      | 1,190  | 1,133  | 5,337   | 6,957          |
| 5-or-more family ....           | 6.1                                | 19.7  | 9.2   | 33.6    | 72.2           | 948                      | 2,302  | 1,189  | 4,444   | 9,117          |
| Publicly owned .....            | 0                                  | 13.2  | 0     | 33.2    | 17.2           | 0                        | 1,213  | 0      | 3,186   | 1,512          |
| <b>South</b>                    |                                    |       |       |         |                |                          |        |        |         |                |
| All new dwelling units..        | 200.4                              | 220.3 | 223.4 | 1,475.5 | 1,422.4        | 21,191                   | 22,209 | 22,848 | 157,739 | 146,813        |
| Privately owned .....           | 200.4                              | 190.1 | 212.9 | 1,459.2 | 1,356.0        | 21,191                   | 19,562 | 21,782 | 156,178 | 140,601        |
| 1-family .....                  | 187.5                              | 178.8 | 195.7 | 1,372.9 | 1,250.0        | 18,993                   | 17,251 | 18,921 | 140,922 | 121,727        |
| 2-4 family .....                | 4.5                                | 5.1   | 5.1   | 32.9    | 34.2           | 841                      | 960    | 992    | 6,579   | 6,737          |
| 5-or-more family ....           | 8.5                                | 6.2   | 12.0  | 53.6    | 71.6           | 1,357                    | 1,351  | 1,869  | 8,677   | 12,137         |
| Publicly owned .....            | 0                                  | 30.2  | 10.5  | 16.3    | 66.4           | 0                        | 2,647  | 1,066  | 1,561   | 6,212          |
| <b>West</b>                     |                                    |       |       |         |                |                          |        |        |         |                |
| All new dwelling units..        | 208.0                              | 200.3 | 181.3 | 1,538.1 | 1,388.3        | 20,235                   | 19,869 | 18,220 | 154,141 | 140,085        |
| Privately owned .....           | 207.9                              | 197.1 | 180.2 | 1,527.8 | 1,379.8        | 20,215                   | 19,629 | 18,116 | 153,236 | 139,250        |
| 1-family .....                  | 185.6                              | 164.0 | 147.0 | 1,374.0 | 1,142.8        | 16,457                   | 14,140 | 12,497 | 125,915 | 99,562         |
| 2-4 family .....                | 8.2                                | 8.3   | 9.7   | 55.2    | 66.3           | 1,333                    | 1,321  | 1,472  | 9,293   | 10,740         |
| 5-or-more family ....           | 14.0                               | 24.8  | 23.5  | 98.6    | 170.7          | 2,425                    | 4,168  | 4,147  | 18,028  | 28,948         |
| Publicly owned .....            | .2                                 | 3.2   | 1.0   | 10.3    | 8.4            | 20                       | 240    | 104    | 905     | 835            |

Source: Department of Labor. <sup>1</sup> Composition of regions, and nonfarm population distribution by region, are shown below table A-2.

Chart 6.

## Building Permit Activity, By Regions



## CONSTRUCTION REVIEW

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Table C-5: Building Permit Activity: Valuation, by Metropolitan-Nonmetropolitan Location and by State

(Millions of dollars)

| State                       | 1956    | 1957    |         |         |         |         | First 6 months |         | Percent change, 1st 6 mos., 1956-57 |
|-----------------------------|---------|---------|---------|---------|---------|---------|----------------|---------|-------------------------------------|
|                             | June    | Feb.    | Mar.    | Apr.    | May     | June    | 1956           | 1957    |                                     |
| ALL STATES .....            | 1,842.8 | 1,215.3 | 1,531.0 | 1,710.6 | 1,829.7 | 1,748.7 | 9,812.4        | 9,152.4 | - 7                                 |
| Metropolitan areas .....    | 1,454.5 | 961.1   | 1,200.6 | 1,321.3 | 1,423.9 | 1,350.6 | 7,701.2        | 7,128.2 | - 7                                 |
| Nonmetropolitan areas ..... | 388.3   | 254.2   | 330.4   | 389.3   | 405.8   | 398.1   | 2,111.2        | 2,024.2 | - 4                                 |
| Alabama .....               | 14.6    | 15.2    | 14.1    | 20.0    | 19.9    | 15.4    | 88.7           | 99.0    | +12                                 |
| Arizona .....               | 18.4    | 13.6    | 18.1    | 22.8    | 18.4    | 20.3    | 95.0           | 120.0   | +26                                 |
| Arkansas .....              | 5.0     | 9.0     | 6.4     | 6.2     | 6.2     | 4.7     | 30.8           | 37.5    | +22                                 |
| California .....            | 281.9   | 212.3   | 278.9   | 299.9   | 301.4   | 263.8   | 1,650.3        | 1,585.7 | - 4                                 |
| Colorado .....              | 28.8    | 21.8    | 21.9    | 19.5    | 21.0    | 24.0    | 139.6          | 128.0   | - 8                                 |
| Connecticut .....           | 41.1    | 22.3    | 42.0    | 35.8    | 41.2    | 33.2    | 187.2          | 195.5   | + 4                                 |
| Delaware .....              | 8.3     | 5.4     | 3.2     | 5.2     | 4.9     | 9.3     | 35.1           | 34.1    | - 3                                 |
| District of Columbia .....  | 4.5     | 2.8     | 3.9     | 8.4     | 6.3     | 14.4    | 27.0           | 41.0    | +52                                 |
| Florida .....               | 74.9    | 72.2    | 76.0    | 79.4    | 88.3    | 86.6    | 419.9          | 472.9   | +13                                 |
| Georgia .....               | 23.2    | 22.1    | 20.6    | 27.5    | 19.3    | 16.7    | 132.8          | 126.4   | - 5                                 |
| Idaho .....                 | 3.6     | 1.3     | 3.5     | 4.5     | 3.9     | 3.6     | 20.6           | 18.9    | - 8                                 |
| Illinois .....              | 125.0   | 93.2    | 111.7   | 142.0   | 115.9   | 120.1   | 703.4          | 644.3   | - 8                                 |
| Indiana .....               | 41.0    | 20.7    | 51.3    | 33.0    | 34.9    | 42.2    | 217.1          | 205.3   | - 5                                 |
| Iowa .....                  | 18.9    | 6.0     | 11.2    | 17.3    | 16.4    | 18.5    | 92.5           | 73.6    | -20                                 |
| Kansas .....                | 10.9    | 10.0    | 10.8    | 9.9     | 12.3    | 10.6    | 81.0           | 59.5    | -27                                 |
| Kentucky .....              | 14.1    | 13.6    | 16.8    | 16.1    | 22.4    | 18.8    | 83.7           | 94.2    | +13                                 |
| Louisiana .....             | 20.5    | 20.4    | 17.4    | 17.9    | 24.6    | 27.2    | 152.4          | 126.9   | -17                                 |
| Maine .....                 | 4.5     | 1.0     | 2.5     | 3.7     | 4.9     | 3.4     | 17.1           | 16.1    | - 6                                 |
| Maryland .....              | 40.2    | 37.9    | 30.8    | 36.0    | 44.6    | 53.2    | 227.4          | 229.8   | + 1                                 |
| Massachusetts .....         | 39.2    | 28.4    | 51.2    | 39.0    | 42.3    | 45.5    | 228.5          | 224.9   | - 2                                 |
| Michigan .....              | 98.2    | 48.2    | 74.2    | 99.4    | 97.6    | 107.8   | 550.8          | 472.4   | -14                                 |
| Minnesota .....             | 41.0    | 18.3    | 20.1    | 43.1    | 53.7    | 47.4    | 193.4          | 193.0   | (1)                                 |
| Mississippi .....           | 3.8     | 3.6     | 2.8     | 6.0     | 3.2     | 7.8     | 27.6           | 25.8    | - 7                                 |
| Missouri .....              | 28.4    | 18.6    | 24.7    | 25.8    | 16.8    | 29.1    | 161.7          | 131.8   | -18                                 |
| Montana .....               | 5.5     | 2.3     | 3.0     | 5.1     | 3.9     | 4.0     | 23.1           | 19.5    | -16                                 |
| Nebraska .....              | 8.0     | 4.7     | 5.6     | 6.1     | 15.2    | 6.6     | 40.2           | 40.5    | + 1                                 |
| Nevada .....                | 3.1     | 3.0     | 4.3     | 7.2     | 3.6     | 3.9     | 25.1           | 25.6    | + 2                                 |
| New Hampshire .....         | 3.8     | 1.5     | 2.1     | 4.5     | 3.0     | 2.6     | 18.4           | 14.8    | -20                                 |
| New Jersey .....            | 72.4    | 50.4    | 58.8    | 72.3    | 71.8    | 68.4    | 431.6          | 362.1   | -16                                 |
| New Mexico .....            | 5.9     | 5.4     | 6.7     | 7.0     | 7.9     | 10.4    | 37.2           | 46.4    | +25                                 |
| New York .....              | 166.9   | 80.8    | 111.6   | 117.7   | 198.0   | 105.6   | 759.6          | 689.4   | - 9                                 |
| North Carolina .....        | 17.5    | 15.2    | 16.2    | 21.5    | 18.5    | 15.5    | 122.5          | 103.1   | -16                                 |
| North Dakota .....          | 6.6     | .5      | 1.6     | 2.9     | 5.4     | 4.1     | 20.4           | 14.9    | -27                                 |
| Ohio .....                  | 139.8   | 73.6    | 94.7    | 99.1    | 123.9   | 125.7   | 623.1          | 570.4   | - 8                                 |
| Oklahoma .....              | 13.5    | 9.2     | 10.3    | 10.9    | 10.6    | 8.5     | 71.3           | 56.7    | -20                                 |
| Oregon .....                | 21.1    | 7.9     | 11.4    | 12.1    | 14.0    | 13.2    | 99.0           | 71.4    | -28                                 |
| Pennsylvania .....          | 92.5    | 49.6    | 64.1    | 74.4    | 72.0    | 74.1    | 429.1          | 374.0   | -13                                 |
| Rhode Island .....          | 14.1    | 1.8     | 2.9     | 4.3     | 5.2     | 3.9     | 31.7           | 19.7    | -38                                 |
| South Carolina .....        | 6.0     | 4.7     | 4.4     | 8.2     | 5.1     | 5.9     | 42.0           | 33.3    | -21                                 |
| South Dakota .....          | 5.3     | 1.0     | 2.0     | 6.0     | 4.1     | 2.5     | 21.1           | 16.4    | -22                                 |
| Tennessee .....             | 19.1    | 10.5    | 15.4    | 18.3    | 21.6    | 22.0    | 111.1          | 96.6    | -13                                 |
| Texas .....                 | 75.1    | 77.1    | 82.4    | 83.2    | 87.0    | 91.3    | 494.6          | 519.1   | + 5                                 |
| Utah .....                  | 13.1    | 7.6     | 13.3    | 8.1     | 14.2    | 12.2    | 87.7           | 59.7    | -32                                 |
| Vermont .....               | 1.5     | .2      | 1.2     | 1.3     | .9      | .5      | 4.9            | 4.3     | -12                                 |
| Virginia .....              | 55.5    | 33.7    | 29.6    | 33.8    | 36.4    | 51.5    | 259.1          | 212.4   | -18                                 |
| Washington .....            | 51.7    | 24.7    | 30.5    | 28.5    | 32.5    | 28.9    | 216.6          | 168.2   | -22                                 |
| West Virginia .....         | 7.9     | 5.2     | 4.6     | 6.0     | 6.8     | 16.4    | 33.5           | 42.0    | +25                                 |
| Wisconsin .....             | 43.6    | 26.0    | 38.7    | 51.8    | 45.9    | 44.9    | 233.2          | 225.9   | - 3                                 |
| Wyoming .....               | 3.1     | .8      | 1.6     | 1.8     | 1.8     | 2.2     | 12.9           | 9.2     | -29                                 |

Source: Department of Labor.

<sup>1</sup> Change of less than one-half of 1 percent.

## CONSTRUCTION REVIEW

Table C-6: Building Permit Activity: Number of New Dwelling Units, by Metropolitan-Nonmetropolitan Location and by State

| State                 | (Housekeeping units only) |        |        |        |        |        | First 6 months |         | Percent change, 1st 6 mos. 1956-57 |
|-----------------------|---------------------------|--------|--------|--------|--------|--------|----------------|---------|------------------------------------|
|                       | 1956                      |        | 1957   |        |        |        | 1956           | 1957    |                                    |
|                       | June                      | Feb.   | Mar.   | Apr.   | May    | June   | 1956           | 1957    |                                    |
| <b>ALL STATES</b>     | 88,156                    | 55,717 | 72,758 | 81,495 | 85,792 | 79,911 | 514,127        | 427,539 | -17                                |
| Metropolitan areas    | 67,591                    | 42,954 | 56,253 | 62,546 | 66,722 | 62,069 | 395,154        | 339,682 | -14                                |
| Nonmetropolitan areas | 20,565                    | 12,763 | 16,505 | 18,949 | 19,070 | 17,842 | 118,973        | 97,137  | -18                                |
| Alabama               | 1,086                     | 905    | 984    | 1,176  | 1,175  | 1,083  | 6,436          | 6,241   | -3                                 |
| Arizona               | 826                       | 1,096  | 159    | 1,432  | 1,258  | 1,182  | 6,248          | 7,526   | +20                                |
| 1949.....             | 800                       | 750    | 815    | 900    | 900    | 900    | 5,000          | 5,000   |                                    |
| 1950.....             | 1,306                     | 1,310  | 1,406  | 1,390  | 1,448  | 1,476  | 1,460          | 1,478   | 1,269                              |
| 1951.....             | 1,343                     | 1,156  | 1,068  | 990    | 983    | 948    | 925            | 961     | 967                                |
| 1952.....             | 1,000                     | 1,086  | 1,060  | 1,037  | 1,039  | 1,029  | 1,084          | 1,075   | 1,092                              |
| 1953.....             | 1,102                     | 1,083  | 1,122  | 1,134  | 1,097  | 1,082  | 1,045          | 1,021   | 1,032                              |
| 1954.....             | 1,044                     | 1,098  | 1,101  | 1,116  | 1,104  | 1,181  | 1,225          | 1,228   | 1,435                              |
| 1955.....             | 1,416                     | 1,286  | 1,314  | 1,374  | 1,398  | 1,371  | 1,318          | 1,346   | 1,192                              |
| 1956.....             | 1,195                     | 1,127  | 1,094  | 1,157  | 1,146  | 1,091  | 1,070          | 1,136   | 1,020                              |
| 1957.....             | 962                       | 935    | 933    | 962    | 994    | 970    | 980            | 1,010   |                                    |

Source: Department of Labor.

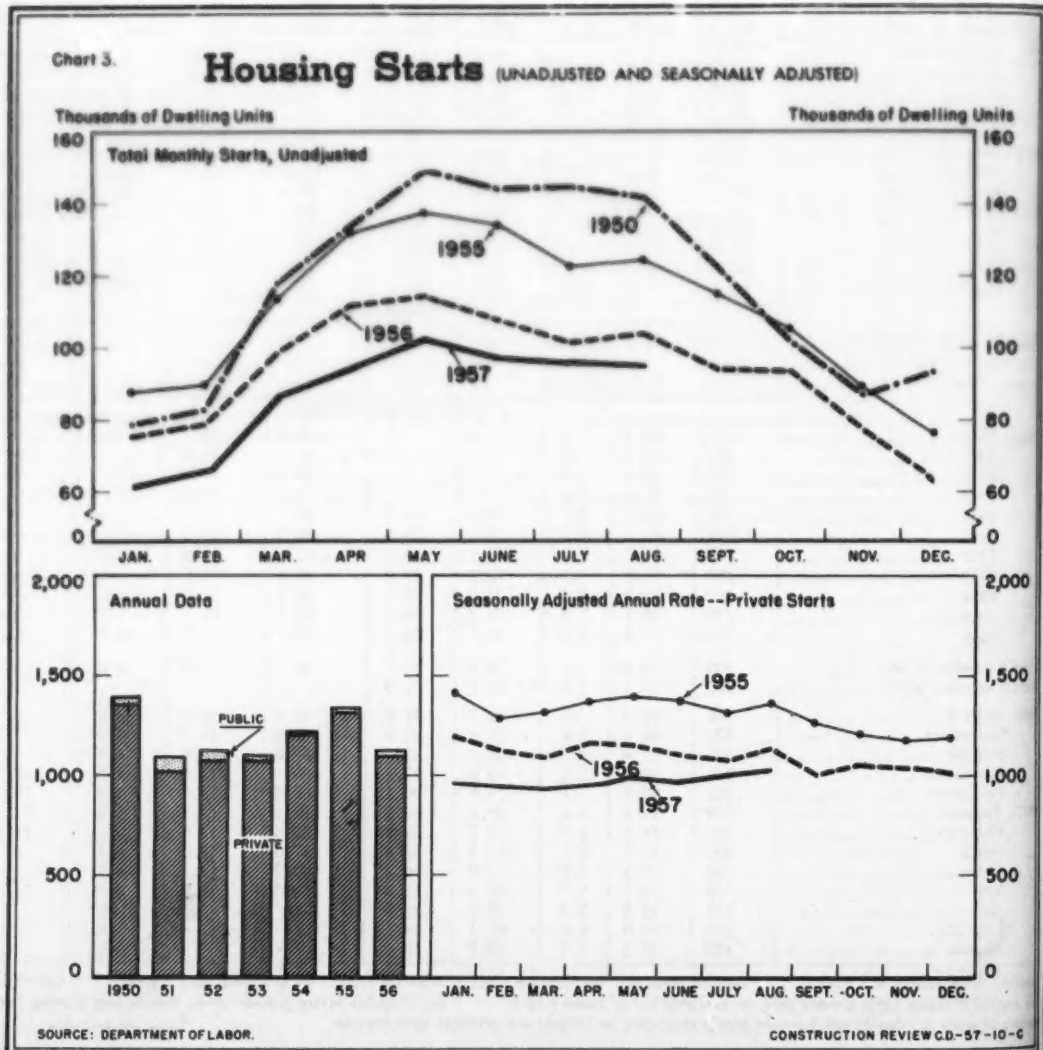




Table C-7: Building Permit Activity: Valuation, in Selected Metropolitan Areas

| Metropolitan area            | (Millions of dollars) |        |        |        |        |        |        |                |        |                                    |        |        |        |
|------------------------------|-----------------------|--------|--------|--------|--------|--------|--------|----------------|--------|------------------------------------|--------|--------|--------|
|                              | 1956                  |        | 1957   |        |        |        |        | First 6 months |        | Percent change, 1st 6 mos. 1956-57 |        |        |        |
|                              | June                  | Feb.   | Mar.   | Apr.   | May    | June   | 1956   | 1957           |        |                                    |        |        |        |
| Atlanta, Ga.                 | 12.0                  | 13.5   | 12.4   | 19.8   | 11.2   | 8.6    | 75.2   | 76.3           | + 1    |                                    |        |        |        |
| Baltimore, Md.               | 22.1                  | 27.0   | 14.8   | 18.8   | 26.2   | 29.5   | 112.5  | 135.8          | +16    |                                    |        |        |        |
| Birmingham, Ala.             | 6.0                   | 4.5    | 5.0    | 7.0    | 8.0    | 6.0    | 58.2   | 34.7           | - 4    |                                    |        |        |        |
| Boston, Mass.                | 20.0                  | 19.8   | 32.7   | 15.6   | 26.1   | 20.7   | 119.0  | 125.7          | + 6    |                                    |        |        |        |
| Buffalo, N. Y.               | 18.6                  | 9.0    | 12.3   | 15.0   | 24.5   | 15.8   | 82.6   | 82.6           | 0      |                                    |        |        |        |
| Chicago, Ill.                | 110.5                 | 84.4   | 120.5  | 125.7  | 105.9  | 111.4  | 627.6  | 587.6          | - 6    |                                    |        |        |        |
| Cleveland, Ohio              | 40.9                  | 22.5   | 29.5   | 27.6   | 31.9   | 47.9   | 200.4  | 171.3          | -15    |                                    |        |        |        |
| 1950.....                    | 7,625                 | 7,850  | 8,225  | 8,450  | 8,450  | 8,750  | 8,875  | 9,125          | 8,900  | 9,200                              | 9,075  | 9,200  | 8,675  |
| 1951.....                    | 9,100                 | 9,250  | 9,175  | 9,325  | 9,475  | 9,475  | 9,400  | 9,300          | 9,450  | 9,225                              | 9,250  | 9,125  | 9,300  |
| 1952.....                    | 9,050                 | 9,275  | 9,350  | 9,550  | 9,575  | 9,675  | 9,500  | 9,425          | 9,600  | 9,525                              | 9,550  | 9,525  | 9,475  |
| 1953.....                    | 9,400                 | 9,600  | 9,800  | 10,000 | 9,900  | 10,000 | 10,125 | 10,175         | 10,200 | 10,175                             | 9,975  | 10,000 | 9,950  |
| 1954.....                    | 9,750                 | 9,800  | 10,075 | 10,600 | 10,850 | 10,750 | 10,850 | 10,750         | 10,675 | 10,800                             | 10,850 | 11,075 | 10,625 |
| 1955.....                    | 10,575                | 11,125 | 11,250 | 11,250 | 11,400 | 11,400 | 11,475 | 11,425         | 11,525 | 11,575                             | 11,575 | 11,625 | 11,350 |
| 1956.....                    | 11,325                | 11,750 | 12,150 | 12,275 | 12,300 | 12,300 | 12,375 | 12,275         | 12,325 | 12,425                             | 12,675 | 12,350 | 12,225 |
| 1957.....                    | 12,175                | 12,400 | 12,525 | 12,625 | 12,825 | (1)    | (1)    | (1)            |        |                                    |        |        |        |
| Percent change, 1956 to 1957 |                       |        |        |        |        |        |        |                |        |                                    |        |        |        |
|                              | +7.5                  | +5.5   | +3.1   | +2.9   | +4.3   | --     | --     | --             |        |                                    |        |        |        |

Source: Department of Labor.

1 Not yet available.

Table B-4: New Nonfarm Dwelling Units Started, by Region<sup>1</sup>

| Region          | Number of new dwelling units (in thousands) |      |      |      |      |      |      |      |                |       | Percent change,<br>1st 5 mos.<br>1956-57 |       |
|-----------------|---|------|------|------|------|------|------|------|----------------|-------|--|-------|
|                 | 1956  |      |      |      | 1957 |      |      |      | First 5 months |       |  |       |
|                 | May   | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May            | 1956  |  | 1957  |
| TOTAL.....      | 113.7                                       | 93.6 | 77.4 | 63.6 | 63.0 | 65.8 | 87.8 | 93.7 | 103.0          | 477.2 | 412.5                                    | -13.6 |
| Northeast.....  | 24.7  | 20.1 | 16.5 | 12.4 | 9.3  | 9.7  | 14.8 | 19.9 | 20.9           | 93.8  | 74.6                                     | -20.5 |
| North Central.. | 33.3  | 26.2 | 19.2 | 14.2 | 10.7 | 14.0 | 22.1 | 23.7 | 25.7           | 125.1 | 96.2                                     | -23.1 |
| South.....      | 32.8  | 27.5 | 22.7 | 21.1 | 24.8 | 24.6 | 29.4 | 28.1 | 33.7           | 147.1 | 140.6                                    | -4.4  |
| West.....       | 22.9  | 19.8 | 19.0 | 15.9 | 18.2 | 17.5 | 20.7 | 22.0 | 22.7           | 111.2 | 101.1                                    | -9.1  |

Source: Department of Labor.

1 Composition of regions, and nonfarm population distribution by region, are shown below table A-2.

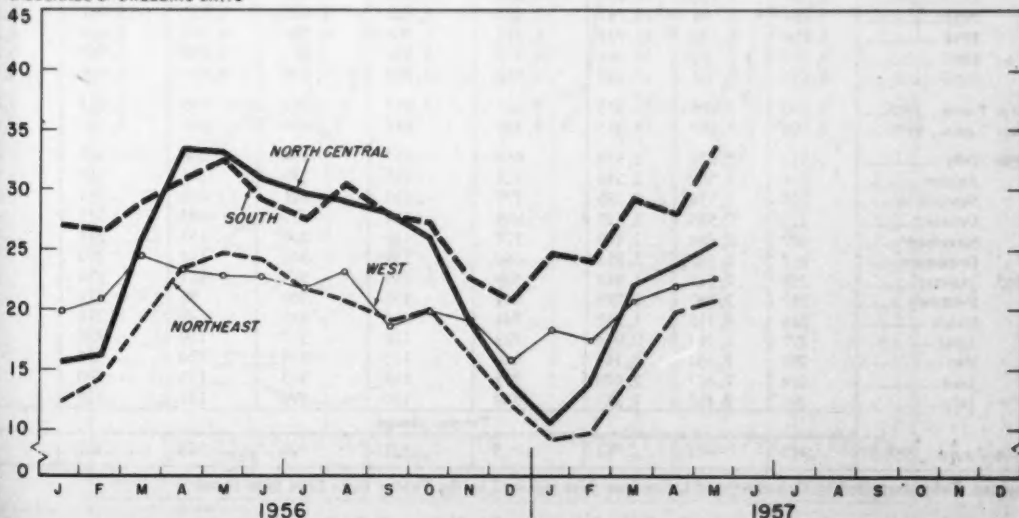
(NOTE: Table B-5, New Nonfarm Dwelling Units Started in Selected States, is shown quarterly in the February, May, August, and November issues.)

Chart 4.

## Housing Starts

(Regional Trends)

THOUSANDS OF DWELLING UNITS



SOURCE: DEPARTMENT OF LABOR.

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## CONSTRUCTION REVIEW

Table B-6: New Private Dwelling Units: Volume in Successive Stages of FHA and VA Programs

| Period                               | Number (in thousands) of new dwelling units in-- |                                 |                       |                              |       |                       |                                 |                 | Percent of total private starts under inspection of-- |    |
|--------------------------------------|--|---------------------------------|-----------------------|------------------------------|-------|-----------------------|---------------------------------|-----------------|---|----|
|                                      | FHA applications                                 |                                 | VA appraisal requests | Starts under inspection of-- |       | FHA mortgages insured |                                 | VA loans closed | FHA   | VA |
|                                      | Total  | Excluding Capehart <sup>1</sup> |                       | FHA                          | VA    | Total                 | Excluding Capehart <sup>1</sup> |                 |   |    |
| Year: 1950.....                      | 625.3  | 625.3                           | (2)                   | 486.7                        | (2)   | 378.7                 | 378.7                           | 209.0           | 36  | 15 |
| 1951.....                            | 267.1  | 267.1                           | 164.4                 | 263.5                        | 148.7 | 235.0                 | 235.0                           | 286.5           | 26  | 15 |
| 1952.....                            | 323.9  | 323.8                           | 226.3                 | 279.9                        | 141.3 | 162.6                 | 162.6                           | 192.2           | 26  | 13 |
| 1953.....                            | 327.3  | 327.3                           | 251.4                 | 252.0                        | 156.6 | 182.5                 | 182.5                           | 202.9           | 24  | 15 |
| 1954.....                            | 383.3  | 383.3                           | 535.4                 | 276.3                        | 307.0 | 150.1                 | 150.1                           | 243.1           | 23  | 26 |
| 1955.....                            | 314.9  | 314.9                           | 620.8                 | 276.7                        | 392.9 | 139.8                 | 139.8                           | 387.6           | 21  | 30 |
| 1956.....                            | 227.6  | 219.4                           | 401.5                 | 189.3                        | 270.7 | 116.2                 | 110.9                           | 313.5           | 17  | 25 |
| 1956: August.....                    | 19.1   | 18.5                            | 36.5                  | 18.6                         | 24.4  | 9.6                   | 9.6                             | 25.5            | 18  | 24 |
| September.....                       | 14.0   | 13.9                            | 30.0                  | 15.1                         | 24.0  | 8.6                   | 7.8                             | 25.4            | 17  | 26 |
| October.....                         | 18.2   | 17.1                            | 29.7                  | 15.5                         | 24.0  | 10.7                  | 9.6                             | 26.0            | 17  | 26 |
| November.....                        | 14.8   | 13.5                            | 21.9                  | 12.1                         | 17.8  | 8.1                   | 8.1                             | 24.7            | 16  | 23 |
| December.....                        | 12.9   | 10.9                            | 19.0                  | 9.6                          | 15.0  | 8.7                   | 7.3                             | 25.0            | 15  | 24 |
| 1957: January.....                   | 14.8   | 13.1                            | 18.9                  | 7.7                          | 12.0  | 9.7                   | 8.0                             | 30.3            | 13  | 20 |
| February.....                        | 22.0   | 14.0                            | 20.2                  | 9.3                          | 9.9   | 10.2                  | 7.3                             | 24.4            | 15  | 16 |
| March.....                           | 22.2   | 20.1                            | 19.5                  | 11.3                         | 11.4  | 13.0                  | 7.6                             | 21.8            | 14  | 14 |
| April.....                           | 25.7   | 20.4                            | 19.4                  | 12.1                         | 13.5  | 8.7                   | 7.1                             | 20.6            | 13  | 15 |
| May.....                             | 23.3   | 20.2                            | 16.6                  | 14.9                         | 12.0  | 10.7                  | 6.7                             | 16.6            | 15  | 12 |
| June.....                            | 22.8   | 20.1                            | 13.7                  | 15.3                         | 13.0  | 6.8                   | 6.3                             | 16.2            | 17  | 14 |
| July.....                            | 22.0   | 21.2                            | 14.0                  | 15.7                         | 12.3  | 11.0                  | 7.6                             | 15.6            | 17  | 14 |
| August.....                          | 28.8   | 25.6                            | 14.5                  | 17.7                         | 11.6  | 10.2                  | 8.5                             | 14.5            | 19  | 13 |
| First 8 months:                      |  |                                 |                       |                              |       |                       |                                 |                 |   |    |
| 1956.....                            | 167.7  | 164.0                           | 300.9                 | 137.1                        | 190.0 | 80.2                  | 78.1                            | 212.3           | 18  | 25 |
| 1957.....                            | 181.7  | 154.8                           | 136.9                 | 104.0                        | 95.7  | 80.3                  | 59.1                            | 159.9           | 16  | 14 |
| Percent change,<br>1956 to 1957..... | +8.3   | -5.6                            | -54.5                 | -24.1                        | -49.6 | + .1                  | -24.3                           | -24.7           | --  | -- |

Source: Table compiled by Department of Labor from data reported by the Federal Housing Administration (HHFA) and the Veterans Administration. <sup>1</sup>Excludes units under the armed services (Capehart) housing program, which are classified as public and whose inspection while under construction is under the auspices of the Department of Defense. \*Not available.

Table B-7: Nonfarm Mortgage Recordings of \$20,000 or Less: Number and Average Amount, and Total Amount by Type of Lender

| Period                  | Total number (in thousands) | Average amount (dollars) | Total amount (in millions of dollars) recorded by-- |                               |                     |                  |                      |             |                   |
|-------------------------|-----------------------------|--------------------------|---|-------------------------------|---------------------|------------------|----------------------|-------------|-------------------|
|                         |                             |                          | All lenders   | Savings and loan associations | Insurance companies | Commercial banks | Mutual savings banks | Individuals | All other lenders |
| Year: 1950.....         | 3,032                       | 5,335                    | 16,179  | 5,060                         | 1,618               | 3,365            | 1,064                | 2,299       | 2,774             |
| 1951.....               | 2,878                       | 5,701                    | 16,405  | 5,295                         | 1,615               | 3,370            | 1,013                | 2,539       | 2,572             |
| 1952.....               | 3,028                       | 5,950                    | 18,018  | 6,452                         | 1,420               | 3,600            | 1,137                | 2,758       | 2,651             |
| 1953.....               | 3,164                       | 6,241                    | 19,747  | 7,365                         | 1,480               | 3,680            | 1,327                | 2,841       | 3,055             |
| 1954.....               | 3,458                       | 6,644                    | 22,974  | 8,312                         | 1,768               | 4,239            | 1,501                | 2,882       | 4,272             |
| 1955.....               | 3,913                       | 7,279                    | 28,484  | 10,452                        | 1,932               | 5,617            | 1,858                | 3,362       | 5,265             |
| 1956.....               | 3,602                       | 7,521                    | 27,088  | 9,532                         | 1,799               | 5,458            | 1,824                | 3,558       | 4,917             |
| First 7 mos., 1956..... | 2,119                       | 7,488                    | 15,875  | 5,608                         | 1,067               | 3,262            | 996                  | 2,073       | 2,869             |
| First 7 mos., 1957..... | 1,894                       | 7,417                    | 14,055  | 5,331                         | 842                 | 2,479            | 810                  | 2,103       | 2,490             |
| 1956: July.....         | 312                         | 7,621                    | 2,374   | 851                           | 159                 | 464              | 168                  | 307         | 425               |
| August.....             | 336                         | 7,562                    | 2,544   | 921                           | 163                 | 508              | 181                  | 319         | 452               |
| September.....          | 290                         | 7,534                    | 2,185   | 779                           | 139                 | 441              | 163                  | 275         | 388               |
| October.....            | 322                         | 7,535                    | 2,425   | 848                           | 154                 | 475              | 183                  | 327         | 438               |
| November.....           | 277                         | 7,608                    | 2,108   | 717                           | 136                 | 409              | 152                  | 293         | 401               |
| December.....           | 257                         | 7,582                    | 1,951   | 660                           | 138                 | 366              | 148                  | 270         | 369               |
| 1957: January.....      | 258                         | 7,541                    | 1,942   | 659                           | 133                 | 353              | 117                  | 304         | 376               |
| February.....           | 237                         | 7,381                    | 1,749   | 644                           | 105                 | 308              | 96                   | 271         | 325               |
| March.....              | 264                         | 7,333                    | 1,937   | 744                           | 115                 | 335              | 99                   | 293         | 351               |
| April.....              | 277                         | 7,390                    | 2,044   | 798                           | 116                 | 357              | 110                  | 306         | 357               |
| May.....                | 289                         | 7,431                    | 2,144   | 840                           | 125                 | 374              | 120                  | 314         | 371               |
| June.....               | 274                         | 7,407                    | 2,028   | 795                           | 118                 | 363              | 125                  | 290         | 337               |
| July.....               | 296                         | 7,456                    | 2,211   | 852                           | 130                 | 390              | 142                  | 325         | 372               |
| Percent change          |                             |                          |   |                               |                     |                  |                      |             |                   |
| First 7 mos., 1956-57   | -11                         | -1                       | -11   | -5                            | -21                 | -24              | -19                  | +1          | -13               |

Source: Table compiled by Department of Labor from data reported by the Federal Home Loan Bank Board.

(NOTE: Tables B-8 and B-9, Housing Vacancy Rates, are shown quarterly in the March, June, September, and December issues.)

## Part C--Building Permits

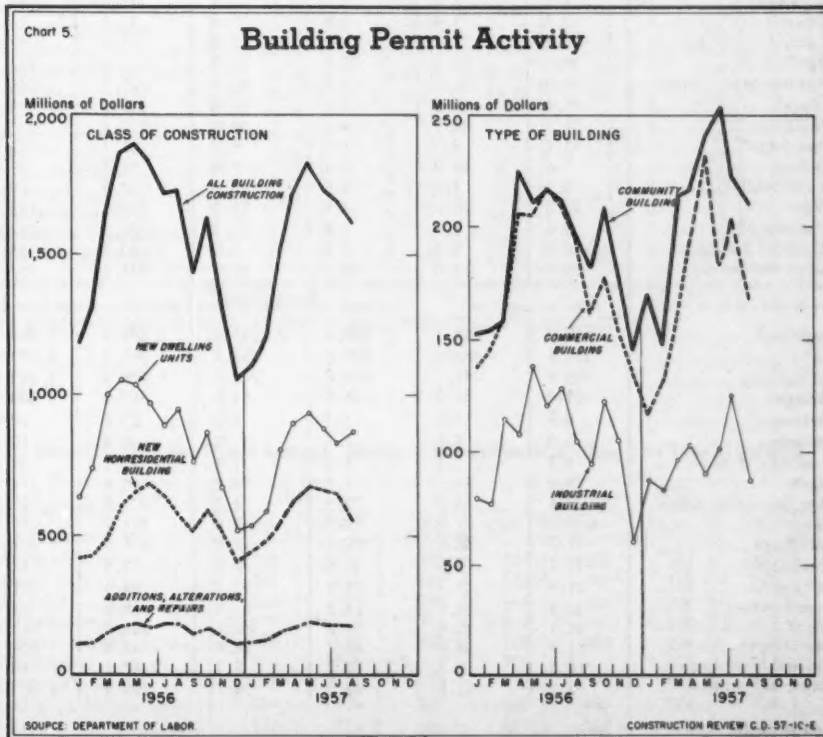
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NOTE: Beginning with this issue of Construction Review, Building Permit Activity data will no longer be shown separately for "public buildings." For the period January 1956 through June 1957, buildings formerly included in this category have been reclassified, according to function, into other categories (e.g., office, industrial, or institutional buildings) as noted in tables C-1, C-2, C-3, and C-9, with the remainder included with "other nonresidential buildings." Revised statistics for periods before January 1956 are not available, but the effect on comparability for any one type of building would be minor for most months.

Table C-1: Building Permit Activity: Current Summary, by Type of Building Construction

| Type of building construction                | Valuation (in millions of dollars) |          |          |          |                |           | Percent change, Aug. 1956-57 |
|--|------------------------------------|----------|----------|----------|----------------|-----------|------------------------------|
|  | 1957                               |          |          | 1956     | First 8 months |           |                              |
|  | Aug.                               | July     | June     | Aug.     | 1957           | 1956      |                              |
| All building construction <sup>1</sup> ..... | 1,613.9                            | 1,681.3  | 1,748.7  | 1,744.5  | 12,447.6       | 13,281.4  | - 7                          |
| Private .....                                | 1,454.7                            | 1,517.5  | 1,484.0  | 1,603.1  | 11,033.3       | 11,978.0  | - 9                          |
| Public .....                                 | 159.2                              | 163.8    | 263.7    | 141.4    | 1,414.3        | 1,303.4   | +13                          |
| New dwelling units <sup>2</sup> .....        | 865.0                              | 823.8    | 881.9    | 958.6    | 6,328.3        | 7,323.0   | -10                          |
| Number of new dwelling units .....           | (79,338)                           | (75,205) | (79,911) | (87,382) | (582,082)      | (683,274) | (- 9)                        |
| New nonresidential building .....            | 552.2                              | 653.8    | 663.4    | 580.8    | 4,663.6        | 4,579.3   | - 5                          |
| Commercial buildings* .....                  | 167.6                              | 203.2    | 183.5    | 195.4    | 1,431.0        | 1,529.5   | -14                          |
| Stores and other mercantile buildings .....  | 71.3                               | 95.1     | 82.2     | 92.4     | 619.2          | 704.5     | -23                          |
| All other commercial buildings* .....        | 96.3                               | 108.1    | 101.3    | 103.0    | 811.8          | 825.0     | - 7                          |
| Community buildings* .....                   | 209.0                              | 222.3    | 253.5    | 195.7    | 1,682.0        | 1,529.0   | + 7                          |
| Industrial buildings* .....                  | 87.1                               | 124.9    | 101.9    | 105.6    | 787.3          | 877.0     | -18                          |
| All other nonresidential buildings* .....    | 88.5                               | 103.4    | 124.4    | 84.2     | 763.3          | 643.9     | + 5                          |
| Additions, alterations, and repairs .....    | 182.6                              | 188.6    | 191.6    | 182.2    | 1,347.9        | 1,279.9   | (3)                          |

Source: Department of Labor. <sup>1</sup> Includes new nonhousekeeping residential building, not shown separately. <sup>2</sup> Housekeeping only.  
<sup>3</sup> Change of less than one-half of 1 percent. \* Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.



## CONSTRUCTION REVIEW

Table C-2: Building Permit Activity: Valuation, by Type of Building Construction and Region<sup>1</sup>

| Type of building construction                | Valuation (in millions of dollars) |         |         |         |                |          | Percent change, 1st 7 months 1956-57 |
|--|------------------------------------|---------|---------|---------|----------------|----------|--------------------------------------|
|  | 1956                               | 1957    |         |         | First 7 months |          |                                      |
|  | July                               | May     | June    | July    | 1956           | 1957     |                                      |
|  | UNITED STATES                      |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 1,724.2                            | 1,829.7 | 1,748.7 | 1,681.3 | 11,536.9       | 10,833.7 | - 6                                  |
| New dwelling units <sup>3</sup> .....        | 892.1                              | 935.9   | 881.9   | 823.8   | 6,364.4        | 5,463.3  | -14                                  |
| New nonresidential building .....            | 638.8                              | 676.8   | 663.4   | 653.8   | 3,998.5        | 4,111.4  | + 3                                  |
| Commercial buildings* .....                  | 208.5                              | 231.7   | 183.5   | 203.2   | 1,334.1        | 1,263.4  | - 5                                  |
| Amusement buildings* .....                   | 12.7                               | 13.4    | 13.8    | 11.9    | 71.0           | 78.6     | +11                                  |
| Commercial garages .....                     | 7.0                                | 7.1     | 6.9     | 5.3     | 37.4           | 38.4     | + 3                                  |
| Gasoline and service stations .....          | 13.6                               | 15.5    | 13.8    | 14.8    | 92.7           | 97.8     | + 6                                  |
| Office buildings* .....                      | 94.1                               | 106.1   | 66.8    | 76.2    | 520.9          | 500.6    | - 4                                  |
| Stores and other mercantile bldgs. ....      | 81.1                               | 89.6    | 82.2    | 95.1    | 612.1          | 548.0    | -10                                  |
| Community buildings* .....                   | 211.6                              | 241.6   | 253.5   | 222.3   | 1,333.3        | 1,473.0  | +10                                  |
| Educational buildings .....                  | 110.7                              | 155.7   | 123.1   | 121.4   | 853.2          | 887.9    | + 4                                  |
| Institutional buildings* .....               | 54.6                               | 36.4    | 83.2    | 60.4    | 213.4          | 303.8    | +42                                  |
| Religious buildings .....                    | 46.3                               | 49.5    | 47.2    | 40.5    | 266.7          | 281.2    | + 5                                  |
| Garages, private residential .....           | 21.8                               | 23.1    | 22.7    | 21.6    | 112.1          | 113.5    | + 1                                  |
| Industrial buildings* .....                  | 127.8                              | 90.5    | 101.9   | 124.9   | 771.4          | 700.2    | - 9                                  |
| Public utilities buildings* .....            | 37.8                               | 45.8    | 37.7    | 49.5    | 186.3          | 279.8    | +50                                  |
| All other nonresidential buildings* .....    | 31.3                               | 44.0    | 64.1    | 32.3    | 261.3          | 281.5    | + 8                                  |
| Additions, alterations, and repairs .....    | 183.7                              | 198.9   | 191.6   | 188.6   | 1,097.7        | 1,165.3  | + 6                                  |
|  | Northeast                          |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 347.7                              | 439.2   | 338.4   | 343.5   | 2,455.7        | 2,245.4  | - 9                                  |
| New dwelling units <sup>3</sup> .....        | 192.1                              | 195.5   | 183.7   | 162.3   | 1,363.5        | 1,075.7  | -21                                  |
| New nonresidential building .....            | 114.9                              | 189.2   | 112.3   | 139.5   | 846.7          | 903.3    | + 7                                  |
| Commercial buildings* .....                  | 36.8                               | 88.3    | 35.3    | 38.0    | 270.9          | 296.2    | + 9                                  |
| Amusement buildings* .....                   | 1.7                                | 4.2     | 3.5     | 2.3     | 15.6           | 18.7     | +20                                  |
| Commercial garages .....                     | 2.3                                | 1.9     | 1.8     | 2.8     | 11.9           | 11.8     | - 1                                  |
| Gasoline and service stations .....          | 2.2                                | 3.1     | 2.8     | 2.8     | 16.4           | 17.6     | + 7                                  |
| Office buildings* .....                      | 18.7                               | 63.1    | 14.6    | 13.2    | 121.6          | 144.7    | +19                                  |
| Stores and other mercantile bldgs. ....      | 11.9                               | 16.1    | 12.5    | 16.9    | 105.5          | 103.3    | - 2                                  |
| Community buildings* .....                   | 46.3                               | 58.9    | 43.0    | 54.3    | 340.7          | 335.3    | - 2                                  |
| Educational buildings .....                  | 25.7                               | 38.3    | 24.0    | 39.8    | 224.4          | 227.5    | + 1                                  |
| Institutional buildings* .....               | 13.1                               | 9.7     | 11.0    | 8.5     | 61.7           | 53.9     | -13                                  |
| Religious buildings .....                    | 7.4                                | 10.9    | 8.0     | 5.9     | 54.7           | 53.9     | - 1                                  |
| Garages, private residential .....           | 4.2                                | 4.6     | 4.4     | 3.8     | 22.6           | 22.3     | - 1                                  |
| Industrial buildings* .....                  | 16.2                               | 26.0    | 17.1    | 25.2    | 144.6          | 143.3    | - 1                                  |
| Public utilities buildings* .....            | 4.6                                | 1.6     | 3.5     | 12.2    | 27.6           | 52.6     | +91                                  |
| All other nonresidential buildings* .....    | 6.8                                | 9.9     | 9.0     | 6.0     | 40.2           | 53.7     | +34                                  |
| Additions, alterations, and repairs .....    | 39.6                               | 51.6    | 40.3    | 39.6    | 232.1          | 252.3    | + 9                                  |
|  | North Central                      |         |         |         |                |          |                                      |
| All building construction <sup>2</sup> ..... | 556.1                              | 542.1   | 558.5   | 515.4   | 3,493.8        | 3,162.4  | - 9                                  |
| New dwelling units <sup>3</sup> .....        | 291.6                              | 283.0   | 277.6   | 256.9   | 1,987.2        | 1,577.0  | -21                                  |
| New nonresidential building .....            | 209.8                              | 202.1   | 230.6   | 202.0   | 1,188.0        | 1,267.0  | + 7                                  |
| Commercial buildings* .....                  | 60.4                               | 42.2    | 48.6    | 51.0    | 362.8          | 308.0    | -15                                  |
| Amusement buildings* .....                   | 6.8                                | 2.6     | 3.2     | 1.5     | 22.5           | 18.6     | -17                                  |
| Commercial garages .....                     | 1.0                                | 3.5     | 2.7     | .5      | 8.8            | 10.5     | +19                                  |
| Gasoline and service stations .....          | 4.3                                | 5.1     | 4.6     | 5.3     | 27.1           | 31.4     | +16                                  |
| Office buildings* .....                      | 28.1                               | 12.2    | 7.7     | 18.9    | 130.9          | 111.4    | -15                                  |
| Stores and other mercantile bldgs. ....      | 20.1                               | 18.8    | 30.3    | 24.7    | 173.5          | 135.9    | -22                                  |
| Community buildings* .....                   | 76.5                               | 77.0    | 99.5    | 72.4    | 391.5          | 476.8    | +22                                  |
| Educational buildings .....                  | 37.7                               | 52.1    | 40.8    | 38.0    | 251.6          | 262.6    | + 4                                  |
| Institutional buildings* .....               | 17.7                               | 7.6     | 36.8    | 20.8    | 55.5           | 112.9    | +103                                 |
| Religious buildings .....                    | 21.1                               | 17.3    | 22.0    | 13.6    | 84.5           | 101.4    | +20                                  |
| Garages, private residential .....           | 12.4                               | 13.8    | 14.2    | 13.1    | 58.9           | 62.4     | + 6                                  |
| Industrial buildings* .....                  | 41.1                               | 32.9    | 46.8    | 40.1    | 262.8          | 263.4    | (4)                                  |
| Public utilities buildings* .....            | 11.2                               | 28.0    | 12.2    | 18.8    | 64.9           | 108.2    | +67                                  |
| All other nonresidential buildings* .....    | 8.2                                | 8.2     | 9.2     | 6.7     | 47.1           | 48.3     | + 3                                  |
| Additions, alterations, and repairs .....    | 52.0                               | 55.0    | 48.0    | 54.2    | 299.9          | 305.5    | + 2                                  |

See footnotes at end of table.

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Table C-2: Building Permit Activity: Valuation, by Type of Building Construction and Region<sup>1</sup>-- Continued

| Type of building construction                | Valuation (in millions of dollars) |       |       |       |                |         | Percent change, 1st 7 months 1956-57 |
|--|------------------------------------|-------|-------|-------|----------------|---------|--------------------------------------|
|  | 1956                               | 1957  |       |       | First 7 months |         |                                      |
|  | July                               | May   | June  | July  | 1956           | 1957    |                                      |
| South  |                                    |       |       |       |                |         |                                      |
| All building construction <sup>2</sup> ..... | 395.1                              | 425.7 | 465.6 | 439.6 | 2,755.0        | 2,790.9 | + 1                                  |
| New dwelling units <sup>3</sup> .....        | 200.4                              | 232.2 | 220.3 | 223.4 | 1,475.5        | 1,422.4 | - 4                                  |
| New nonresidential building.....             | 140.7                              | 136.1 | 183.1 | 155.8 | 962.3          | 1,000.6 | + 4                                  |
| Commercial buildings.....                    | 52.0                               | 54.1  | 61.7  | 65.3  | 400.7          | 369.1   | - 8                                  |
| Amusement buildings*.....                    | 1.5                                | 3.9   | 2.9   | 5.3   | 16.0           | 22.1    | +38                                  |
| Commercial garages.....                      | 1.1                                | .9    | .6    | 1.0   | 9.2            | 6.0     | -35                                  |
| Gasoline and service stations .....          | 4.7                                | 4.5   | 4.1   | 4.4   | 32.5           | 31.9    | - 2                                  |
| Office buildings*.....                       | 20.5                               | 15.1  | 32.4  | 21.8  | 157.4          | 135.3   | -14                                  |
| Stores and other mercantile bldgs..          | 24.2                               | 29.8  | 21.7  | 32.8  | 185.6          | 173.7   | - 6                                  |
| Community buildings.....                     | 49.2                               | 51.4  | 71.3  | 54.0  | 318.8          | 375.3   | +18                                  |
| Educational buildings.....                   | 25.1                               | 33.2  | 34.1  | 21.9  | 182.6          | 211.1   | +16                                  |
| Institutional buildings*.....                | 12.4                               | 3.7   | 25.5  | 18.0  | 55.8           | 79.0    | +42                                  |
| Religious buildings.....                     | 11.7                               | 14.5  | 11.7  | 14.0  | 80.3           | 85.2    | + 6                                  |
| Garages, private residential.....            | 1.5                                | 1.8   | 1.6   | 1.9   | 11.4           | 11.3    | - 1                                  |
| Industrial buildings*.....                   | 17.4                               | 11.9  | 24.9  | 15.5  | 116.5          | 127.1   | + 9                                  |
| Public utilities buildings*.....             | 14.8                               | 8.1   | 11.2  | 13.9  | 52.8           | 59.1    | +12                                  |
| All other nonresidential buildings*.....     | 5.8                                | 8.8   | 12.4  | 5.3   | 62.1           | 58.8    | - 5                                  |
| Additions, alterations, and repairs .....    | 50.2                               | 48.6  | 57.4  | 52.2  | 294.3          | 326.6   | +11                                  |
| West   |                                    |       |       |       |                |         |                                      |
| All building construction <sup>2</sup> ..... | 425.3                              | 422.7 | 386.2 | 382.9 | 2,832.4        | 2,635.2 | - 7                                  |
| New dwelling units <sup>3</sup> .....        | 208.0                              | 225.2 | 200.3 | 181.3 | 1,538.1        | 1,388.3 | -10                                  |
| New nonresidential building.....             | 173.5                              | 149.4 | 137.4 | 156.4 | 1,001.6        | 940.3   | - 6                                  |
| Commercial buildings.....                    | 59.4                               | 47.0  | 37.8  | 49.0  | 299.7          | 290.2   | - 3                                  |
| Amusement buildings*.....                    | 2.7                                | 2.7   | 4.1   | 2.8   | 17.0           | 19.2    | +13                                  |
| Commercial garages.....                      | 2.6                                | .9    | 1.8   | 1.0   | 7.5            | 10.1    | +35                                  |
| Gasoline and service stations .....          | 2.4                                | 2.7   | 2.2   | 2.3   | 16.7           | 16.9    | + 1                                  |
| Office buildings*.....                       | 26.8                               | 15.7  | 12.0  | 22.3  | 111.1          | 109.2   | - 2                                  |
| Stores and other mercantile bldgs.           | 24.8                               | 25.0  | 17.8  | 20.6  | 147.5          | 134.9   | - 9                                  |
| Community buildings*.....                    | 39.6                               | 54.5  | 39.6  | 41.6  | 282.3          | 285.5   | + 1                                  |
| Educational buildings.....                   | 22.2                               | 32.2  | 24.3  | 21.7  | 194.6          | 186.8   | - 4                                  |
| Institutional buildings*.....                | 11.4                               | 15.3  | 9.9   | 13.0  | 40.4           | 58.0    | +44                                  |
| Religious buildings.....                     | 6.0                                | 6.8   | 5.5   | 7.0   | 47.3           | 40.8    | -14                                  |
| Garages, private residential.....            | 3.7                                | 3.0   | 2.5   | 2.8   | 19.2           | 17.5    | - 9                                  |
| Industrial buildings*.....                   | 53.1                               | 19.7  | 13.2  | 44.1  | 247.5          | 166.5   | -33                                  |
| Public utilities buildings*.....             | 7.2                                | 8.1   | 10.8  | 4.5   | 41.0           | 59.8    | +46                                  |
| All other nonresidential buildings*.....     | 10.5                               | 17.2  | 33.5  | 14.4  | 112.0          | 120.8   | + 8                                  |
| Additions, alterations, and repairs .....    | 42.0                               | 43.7  | 45.9  | 42.6  | 271.4          | 281.0   | + 4                                  |

Source: Department of Labor. <sup>1</sup> Composition of regions, and nonfarm population distribution by region, are shown below table A-2. <sup>2</sup> Includes new nonhousekeeping residential building, not shown separately. <sup>3</sup> Housekeeping only. <sup>4</sup> Change of less than one-half of 1 percent. \*Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.

Table C-3: Building Permit Activity: Number of Nonresidential Buildings, by Type of Building

| Type of building                         | 1956   |       | 1957  |       |        |        |        |        |        |
|--|--------|-------|-------|-------|--------|--------|--------|--------|--------|
|  | July   | Dec.  | Jan.  | Feb.  | Mar.   | Apr.   | May    | June   | July   |
| Amusement buildings* .....               | 265    | 107   | 141   | 159   | 191    | 311    | 304    | 260    | 276    |
| Commercial garages .....                 | 205    | 165   | 149   | 122   | 193    | 191    | 163    | 177    | 97     |
| Educational buildings .....              | 469    | 327   | 327   | 344   | 408    | 440    | 445    | 420    | 451    |
| Garages, private residential .....       | 24,678 | 6,632 | 5,345 | 6,913 | 14,745 | 20,648 | 24,063 | 21,864 | 22,942 |
| Gasoline and service stations .....      | 898    | 695   | 768   | 718   | 883    | 904    | 958    | 846    | 863    |
| Industrial buildings* .....              | 1,202  | 893   | 1,058 | 951   | 1,252  | 1,275  | 1,234  | 1,151  | 1,364  |
| Institutional buildings* .....           | 128    | 51    | 58    | 73    | 96     | 111    | 99     | 142    | 127    |
| Office buildings* .....                  | 659    | 475   | 487   | 545   | 685    | 774    | 729    | 627    | 707    |
| Religious buildings .....                | 571    | 314   | 333   | 391   | 504    | 562    | 592    | 514    | 634    |
| Stores and other mercantile buildings .. | 2,943  | 1,733 | 1,956 | 2,052 | 2,656  | 2,755  | 2,771  | 2,591  | 2,639  |

Source: Department of Labor. \*Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.



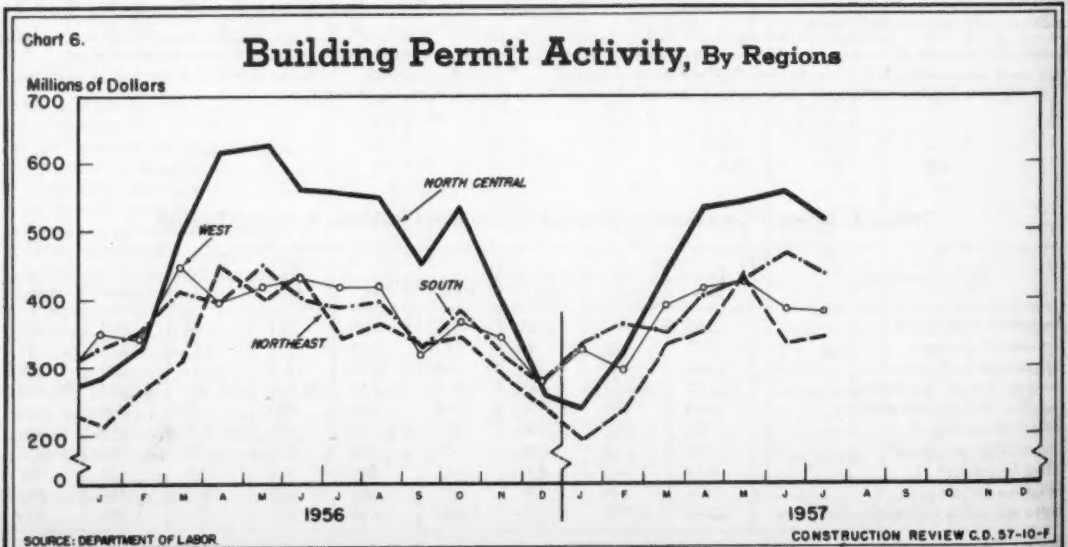
## CONSTRUCTION REVIEW

Table C-4: Building Permit Activity: Valuation and Number of New Dwelling Units, by Type of Structure, Public-Private Ownership, and Region <sup>1</sup>

(Housekeeping units only)

| Ownership and type of structure | Valuation (in millions of dollars) |       |       |                |         | Number of dwelling units |        |        |                |         |
|---------------------------------|------------------------------------|-------|-------|----------------|---------|--------------------------|--------|--------|----------------|---------|
|                                 | 1956                               | 1957  |       | First 7 months |         | 1956                     | 1957   |        | First 7 months |         |
|                                 | July                               | June  | July  | 1956           | 1957    | July                     | June   | July   | 1956           | 1957    |
| <b>UNITED STATES</b>            |                                    |       |       |                |         |                          |        |        |                |         |
| All new dwelling units..        | 892.1                              | 881.9 | 823.8 | 6,364.4        | 5,463.3 | 81,765                   | 79,911 | 75,205 | 595,892        | 502,744 |
| Privately owned .....           | 886.0                              | 823.2 | 806.9 | 6,245.9        | 5,335.6 | 81,010                   | 74,983 | 73,580 | 584,070        | 491,156 |
| 1-family .....                  | 824.4                              | 734.1 | 723.9 | 5,813.3        | 4,754.1 | 71,909                   | 61,513 | 60,925 | 517,544        | 403,371 |
| 2-4 family .....                | 26.1                               | 30.3  | 28.9  | 184.3          | 200.0   | 3,709                    | 4,243  | 4,167  | 27,207         | 29,192  |
| 5-or-more family ....           | 35.5                               | 58.8  | 54.1  | 248.3          | 381.6   | 5,392                    | 9,227  | 8,488  | 39,319         | 58,593  |
| Publicly owned .....            | 6.1                                | 58.7  | 16.9  | 118.5          | 127.6   | 755                      | 4,928  | 1,625  | 11,822         | 11,588  |
| <b>Northeast</b>                |                                    |       |       |                |         |                          |        |        |                |         |
| All new dwelling units..        | 192.1                              | 183.7 | 162.3 | 1,363.5        | 1,075.7 | 17,276                   | 15,658 | 13,895 | 124,192        | 92,767  |
| Privately owned .....           | 186.2                              | 171.6 | 156.9 | 1,304.9        | 1,040.0 | 16,541                   | 14,830 | 13,440 | 118,022        | 89,738  |
| 1-family .....                  | 172.2                              | 157.6 | 143.5 | 1,197.9        | 938.3   | 14,964                   | 12,652 | 11,587 | 103,854        | 76,589  |
| 2-4 family .....                | 7.1                                | 5.8   | 4.0   | 44.4           | 34.6    | 915                      | 772    | 570    | 5,998          | 4,758   |
| 5-or-more family ....           | 6.9                                | 8.2   | 9.4   | 62.6           | 67.1    | 662                      | 1,406  | 1,283  | 8,170          | 8,391   |
| Publicly owned .....            | 6.0                                | 12.1  | 5.3   | 58.6           | 35.6    | 735                      | 828    | 455    | 6,170          | 3,029   |
| <b>North Central</b>            |                                    |       |       |                |         |                          |        |        |                |         |
| All new dwelling units..        | 291.6                              | 277.6 | 256.9 | 1,987.2        | 1,577.0 | 23,063                   | 22,175 | 20,242 | 159,820        | 123,079 |
| Privately owned .....           | 291.6                              | 264.4 | 256.9 | 1,954.0        | 1,559.7 | 23,063                   | 20,962 | 20,242 | 156,634        | 121,567 |
| 1-family .....                  | 279.2                              | 233.6 | 237.7 | 1,868.6        | 1,422.9 | 21,495                   | 17,470 | 17,920 | 146,853        | 105,493 |
| 2-4 family .....                | 6.3                                | 11.1  | 10.0  | 51.8           | 64.6    | 620                      | 1,190  | 1,133  | 5,337          | 6,957   |
| 5-or-more family ....           | 6.1                                | 19.7  | 9.2   | 33.6           | 72.2    | 948                      | 2,302  | 1,189  | 4,444          | 9,117   |
| Publicly owned .....            | 0                                  | 13.2  | 0     | 33.2           | 17.2    | 0                        | 1,213  | 0      | 3,186          | 1,512   |
| <b>South</b>                    |                                    |       |       |                |         |                          |        |        |                |         |
| All new dwelling units..        | 200.4                              | 220.3 | 223.4 | 1,475.5        | 1,422.4 | 21,191                   | 22,209 | 22,848 | 157,739        | 146,813 |
| Privately owned .....           | 200.4                              | 190.1 | 212.9 | 1,459.2        | 1,356.0 | 21,191                   | 19,562 | 21,782 | 156,178        | 140,601 |
| 1-family .....                  | 187.5                              | 178.8 | 195.7 | 1,372.9        | 1,250.0 | 18,993                   | 17,251 | 18,921 | 140,922        | 121,727 |
| 2-4 family .....                | 4.5                                | 5.1   | 5.1   | 32.9           | 34.2    | 841                      | 960    | 992    | 6,579          | 6,737   |
| 5-or-more family ....           | 8.5                                | 6.2   | 12.0  | 53.6           | 71.6    | 1,357                    | 1,351  | 1,869  | 8,677          | 12,137  |
| Publicly owned .....            | 0                                  | 30.2  | 10.5  | 16.3           | 66.4    | 0                        | 2,647  | 1,066  | 1,561          | 6,212   |
| <b>West</b>                     |                                    |       |       |                |         |                          |        |        |                |         |
| All new dwelling units..        | 208.0                              | 200.3 | 181.3 | 1,538.1        | 1,388.3 | 20,235                   | 19,869 | 18,220 | 154,141        | 140,085 |
| Privately owned .....           | 207.9                              | 197.1 | 180.2 | 1,527.8        | 1,379.8 | 20,215                   | 19,629 | 18,116 | 153,236        | 139,250 |
| 1-family .....                  | 185.6                              | 164.0 | 147.0 | 1,374.0        | 1,142.8 | 16,457                   | 14,140 | 12,497 | 125,915        | 99,562  |
| 2-4 family .....                | 8.2                                | 8.3   | 9.7   | 55.2           | 66.3    | 1,333                    | 1,321  | 1,472  | 9,293          | 10,740  |
| 5-or-more family ....           | 14.0                               | 24.8  | 23.5  | 98.6           | 170.7   | 2,425                    | 4,168  | 4,147  | 18,028         | 28,948  |
| Publicly owned .....            | .2                                 | 3.2   | 1.0   | 10.3           | 8.4     | 20                       | 240    | 104    | 905            | 835     |

Source: Department of Labor.

<sup>1</sup> Composition of regions, and nonfarm population distribution by region, are shown below table A-2.

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Table C-5: Building Permit Activity: Valuation, by Metropolitan-Nonmetropolitan Location and by State

(Millions of dollars)

| State                       | 1956    | 1957    |         |         |         |         | First 6 months |         | Percent change, 1st 6 mos., 1956-57 |
|-----------------------------|---------|---------|---------|---------|---------|---------|----------------|---------|-------------------------------------|
|                             | June    | Feb.    | Mar.    | Apr.    | May     | June    | 1956           | 1957    |                                     |
| <b>ALL STATES</b> .....     | 1,842.8 | 1,215.3 | 1,531.0 | 1,710.6 | 1,829.7 | 1,748.7 | 9,812.4        | 9,152.4 | - 7                                 |
| Metropolitan areas .....    | 1,454.5 | 961.1   | 1,200.6 | 1,321.3 | 1,423.9 | 1,350.6 | 7,701.2        | 7,128.2 | - 7                                 |
| Nonmetropolitan areas ..... | 388.3   | 254.2   | 330.4   | 389.3   | 405.8   | 398.1   | 2,111.2        | 2,024.2 | - 4                                 |
| Alabama .....               | 14.6    | 15.2    | 14.1    | 20.0    | 19.9    | 15.4    | 88.7           | 99.0    | +12                                 |
| Arizona .....               | 18.4    | 13.6    | 18.1    | 22.8    | 18.4    | 20.3    | 95.0           | 120.0   | +26                                 |
| Arkansas .....              | 5.0     | 9.0     | 6.4     | 6.2     | 6.2     | 4.7     | 30.8           | 37.5    | +22                                 |
| California .....            | 281.9   | 212.3   | 278.9   | 299.9   | 301.4   | 263.8   | 1,650.3        | 1,585.7 | - 4                                 |
| Colorado .....              | 28.8    | 21.8    | 21.9    | 19.5    | 21.0    | 24.0    | 139.6          | 128.0   | - 8                                 |
| Connecticut .....           | 41.1    | 22.3    | 42.0    | 35.8    | 41.2    | 33.2    | 187.2          | 195.5   | + 4                                 |
| Delaware .....              | 8.3     | 5.4     | 3.2     | 5.2     | 4.9     | 9.3     | 35.1           | 34.1    | - 3                                 |
| District of Columbia .....  | 4.5     | 2.8     | 3.9     | 8.4     | 6.3     | 14.4    | 27.0           | 41.0    | +52                                 |
| Florida .....               | 74.9    | 72.2    | 76.0    | 79.4    | 88.3    | 86.6    | 419.9          | 472.9   | +13                                 |
| Georgia .....               | 23.2    | 22.1    | 20.6    | 27.5    | 19.3    | 16.7    | 132.8          | 126.4   | - 5                                 |
| Idaho .....                 | 3.6     | 1.3     | 3.5     | 4.5     | 3.9     | 3.6     | 20.6           | 18.9    | - 8                                 |
| Illinois .....              | 125.0   | 93.2    | 111.7   | 142.0   | 115.9   | 120.1   | 703.4          | 644.3   | - 8                                 |
| Indiana .....               | 41.0    | 20.7    | 51.3    | 33.0    | 34.9    | 42.2    | 217.1          | 205.3   | - 5                                 |
| Iowa .....                  | 18.9    | 6.0     | 11.2    | 17.3    | 16.4    | 18.5    | 92.5           | 73.6    | -20                                 |
| Kansas .....                | 10.9    | 10.0    | 10.8    | 9.9     | 12.3    | 10.6    | 81.0           | 59.5    | -27                                 |
| Kentucky .....              | 14.1    | 13.6    | 16.8    | 16.1    | 22.4    | 18.8    | 83.7           | 94.2    | +13                                 |
| Louisiana .....             | 20.5    | 20.4    | 17.4    | 17.9    | 24.6    | 27.2    | 152.4          | 126.9   | -17                                 |
| Maine .....                 | 4.5     | 1.0     | 2.5     | 3.7     | 4.9     | 3.4     | 17.1           | 16.1    | - 6                                 |
| Maryland .....              | 40.2    | 37.9    | 30.8    | 36.0    | 44.6    | 53.2    | 227.4          | 229.8   | + 1                                 |
| Massachusetts .....         | 39.2    | 28.4    | 51.2    | 39.0    | 42.3    | 45.5    | 228.5          | 224.9   | - 2                                 |
| Michigan .....              | 98.2    | 48.2    | 74.2    | 99.4    | 97.6    | 107.8   | 550.8          | 472.4   | -14                                 |
| Minnesota .....             | 41.0    | 18.3    | 20.1    | 43.1    | 53.7    | 47.4    | 193.4          | 193.0   | (1)                                 |
| Mississippi .....           | 3.8     | 3.6     | 2.8     | 6.0     | 3.2     | 7.8     | 27.6           | 25.8    | - 7                                 |
| Missouri .....              | 28.4    | 18.6    | 24.7    | 25.8    | 16.8    | 29.1    | 161.7          | 131.8   | -18                                 |
| Montana .....               | 5.5     | 2.3     | 3.0     | 5.1     | 3.9     | 4.0     | 23.1           | 19.5    | -16                                 |
| Nebraska .....              | 8.0     | 4.7     | 5.6     | 6.1     | 15.2    | 6.6     | 40.2           | 40.5    | + 1                                 |
| Nevada .....                | 3.1     | 3.0     | 4.3     | 7.2     | 3.6     | 3.9     | 25.1           | 25.6    | + 2                                 |
| New Hampshire .....         | 3.8     | 1.5     | 2.1     | 4.5     | 3.0     | 2.6     | 18.4           | 14.8    | -20                                 |
| New Jersey .....            | 72.4    | 50.4    | 58.8    | 72.3    | 71.8    | 68.4    | 431.6          | 362.1   | -16                                 |
| New Mexico .....            | 5.9     | 5.4     | 6.7     | 7.0     | 7.9     | 10.4    | 37.2           | 46.4    | +25                                 |
| New York .....              | 166.9   | 80.8    | 111.6   | 117.7   | 198.0   | 105.6   | 759.6          | 689.4   | - 9                                 |
| North Carolina .....        | 17.5    | 15.2    | 16.2    | 21.5    | 18.5    | 15.5    | 122.5          | 103.1   | -16                                 |
| North Dakota .....          | 6.6     | .5      | 1.6     | 2.9     | 5.4     | 4.1     | 20.4           | 14.9    | -27                                 |
| Ohio .....                  | 139.8   | 73.6    | 94.7    | 99.1    | 123.9   | 125.7   | 623.1          | 570.4   | - 8                                 |
| Oklahoma .....              | 13.5    | 9.2     | 10.3    | 10.9    | 10.6    | 8.5     | 71.3           | 56.7    | -20                                 |
| Oregon .....                | 21.1    | 7.9     | 11.4    | 12.1    | 14.0    | 13.2    | 99.0           | 71.4    | -28                                 |
| Pennsylvania .....          | 92.5    | 49.6    | 64.1    | 74.4    | 72.0    | 74.1    | 429.1          | 374.0   | -13                                 |
| Rhode Island .....          | 14.1    | 1.8     | 2.9     | 4.3     | 5.2     | 3.9     | 31.7           | 19.7    | -38                                 |
| South Carolina .....        | 6.0     | 4.7     | 4.4     | 8.2     | 5.1     | 5.9     | 42.0           | 33.3    | -21                                 |
| South Dakota .....          | 5.3     | 1.0     | 2.0     | 6.0     | 4.1     | 2.5     | 21.1           | 16.4    | -22                                 |
| Tennessee .....             | 19.1    | 10.5    | 15.4    | 18.3    | 21.6    | 22.0    | 111.1          | 96.6    | -13                                 |
| Texas .....                 | 75.1    | 77.1    | 82.4    | 83.2    | 87.0    | 91.3    | 494.6          | 519.1   | + 5                                 |
| Utah .....                  | 13.1    | 7.6     | 13.3    | 8.1     | 14.2    | 12.2    | 87.7           | 59.7    | -32                                 |
| Vermont .....               | 1.5     | .2      | 1.2     | 1.3     | .9      | .5      | 4.9            | 4.3     | -12                                 |
| Virginia .....              | 55.5    | 33.7    | 29.6    | 33.8    | 36.4    | 51.5    | 259.1          | 212.4   | -18                                 |
| Washington .....            | 51.7    | 24.7    | 30.5    | 28.5    | 32.5    | 28.9    | 216.6          | 168.2   | -22                                 |
| West Virginia .....         | 7.9     | 5.2     | 4.6     | 6.0     | 6.8     | 16.4    | 33.5           | 42.0    | +25                                 |
| Wisconsin .....             | 43.6    | 26.0    | 38.7    | 51.8    | 45.9    | 44.9    | 233.2          | 225.9   | - 3                                 |
| Wyoming .....               | 3.1     | .8      | 1.6     | 1.8     | 1.8     | 2.2     | 12.9           | 9.2     | -29                                 |

Source: Department of Labor.

<sup>1</sup> Change of less than one-half of 1 percent.

## CONSTRUCTION REVIEW

Table C-6: Building Permit Activity: Number of New Dwelling Units, by Metropolitan-Nonmetropolitan Location and by State

| State                       | (Housekeeping units only) |        |        |        |        |        |                |         | Percent<br>change,<br>1st 6 mos.<br>1956-57 |
|-----------------------------|---------------------------|--------|--------|--------|--------|--------|----------------|---------|---|
|                             | 1956                      | 1957   |        |        |        |        | First 6 months |         |   |
|                             | June                      | Feb.   | Mar.   | Apr.   | May    | June   | 1956           | 1957    |   |
| ALL STATES .....            | 88,156                    | 55,717 | 72,758 | 81,495 | 85,702 | 79,911 | 514,127        | 427,539 | -17   |
| Metropolitan areas .....    | 67,591                    | 42,954 | 56,253 | 62,546 | 66,722 | 62,069 | 395,154        | 330,402 | -16   |
| Nonmetropolitan areas ..... | 20,565                    | 12,763 | 16,505 | 18,949 | 18,980 | 17,842 | 118,973        | 97,137  | -18   |
| Alabama .....               | 1,086                     | 865    | 984    | 1,176  | 1,175  | 1,083  | 6,436          | 6,241   | -3  |
| Arizona .....               | 826                       | 1,096  | 1,159  | 1,432  | 1,258  | 1,182  | 6,248          | 7,526   | +20   |
| Arkansas .....              | 274                       | 223    | 318    | 406    | 316    | 297    | 1,960          | 1,820   | -7  |
| California .....            | 14,885                    | 12,906 | 16,259 | 17,210 | 17,329 | 14,030 | 96,912         | 90,679  | -6  |
| Colorado .....              | 1,667                     | 919    | 1,090  | 1,094  | 966    | 1,166  | 8,454          | 6,141   | -27   |
| Connecticut .....           | 2,014                     | 781    | 1,636  | 1,746  | 1,624  | 1,474  | 8,843          | 8,021   | -9  |
| Delaware .....              | 316                       | 85     | 156    | 291    | 237    | 329    | 1,519          | 1,200   | -21   |
| District of Columbia .....  | 128                       | 109    | 119    | 227    | 348    | 573    | 974            | 1,513   | +55   |
| Florida .....               | 4,623                     | 4,610  | 4,915  | 5,206  | 6,529  | 5,026  | 29,245         | 31,206  | +7  |
| Georgia .....               | 1,411                     | 1,020  | 1,151  | 1,234  | 1,262  | 1,253  | 9,196          | 7,067   | -23   |
| Idaho .....                 | 158                       | 53     | 126    | 156    | 176    | 106    | 775            | 667     | -14   |
| Illinois .....              | 5,884                     | 3,412  | 4,891  | 4,697  | 5,160  | 4,982  | 32,192         | 25,505  | -21   |
| Indiana .....               | 1,736                     | 795    | 1,300  | 1,307  | 1,412  | 1,560  | 10,597         | 7,098   | -33   |
| Iowa .....                  | 1,130                     | 242    | 479    | 632    | 650    | 606    | 4,673          | 2,800   | -40   |
| Kansas .....                | 676                       | 482    | 641    | 623    | 556    | 522    | 4,707          | 3,145   | -33   |
| Kentucky .....              | 894                       | 393    | 650    | 724    | 1,284  | 673    | 4,884          | 4,065   | -17   |
| Louisiana .....             | 763                       | 1,206  | 807    | 820    | 927    | 937    | 6,189          | 5,509   | -11   |
| Maine .....                 | 173                       | 18     | 90     | 182    | 199    | 115    | 683            | 628     | -8  |
| Maryland .....              | 1,925                     | 2,063  | 1,940  | 2,120  | 2,319  | 3,214  | 12,550         | 13,014  | +4  |
| Massachusetts .....         | 2,124                     | 966    | 1,600  | 1,774  | 1,952  | 1,688  | 12,133         | 8,523   | -30   |
| Michigan .....              | 4,975                     | 1,967  | 3,522  | 4,135  | 4,179  | 4,284  | 26,793         | 19,777  | -26   |
| Minnesota .....             | 1,571                     | 399    | 804    | 1,619  | 1,527  | 1,780  | 8,001          | 6,413   | -20   |
| Mississippi .....           | 276                       | 155    | 179    | 199    | 239    | 268    | 1,670          | 1,203   | -28   |
| Missouri .....              | 1,244                     | 676    | 989    | 851    | 794    | 920    | 7,537          | 4,755   | -37   |
| Montana .....               | 209                       | 31     | 113    | 159    | 159    | 145    | 1,012          | 662     | -35   |
| Nebraska .....              | 479                       | 237    | 305    | 366    | 463    | 310    | 2,585          | 1,781   | -31   |
| Nevada .....                | 89                        | 120    | 151    | 307    | 131    | 198    | 1,510          | 1,056   | -30   |
| New Hampshire .....         | 195                       | 44     | 125    | 171    | 174    | 147    | 894            | 713     | -20   |
| New Jersey .....            | 3,887                     | 2,154  | 2,846  | 3,761  | 3,444  | 3,725  | 23,634         | 17,813  | -25   |
| New Mexico .....            | 425                       | 368    | 446    | 459    | 388    | 502    | 2,202          | 2,575   | +17   |
| New York .....              | 7,838                     | 3,256  | 4,423  | 5,679  | 6,140  | 5,068  | 39,480         | 27,596  | -30   |
| North Carolina .....        | 854                       | 710    | 719    | 848    | 841    | 762    | 6,175          | 4,587   | -26   |
| North Dakota .....          | 204                       | 4      | 68     | 132    | 191    | 134    | 752            | 532     | -29   |
| Ohio .....                  | 5,971                     | 2,494  | 3,815  | 3,625  | 4,544  | 5,060  | 26,749         | 21,175  | -21   |
| Oklahoma .....              | 754                       | 386    | 493    | 471    | 473    | 407    | 4,071          | 2,804   | -31   |
| Oregon .....                | 633                       | 402    | 373    | 426    | 445    | 402    | 3,837          | 2,302   | -40   |
| Pennsylvania .....          | 3,396                     | 1,313  | 2,383  | 2,799  | 3,048  | 3,124  | 19,577         | 14,190  | -28   |
| Rhode Island .....          | 294                       | 111    | 218    | 277    | 281    | 282    | 1,515          | 1,235   | -18   |
| South Carolina .....        | 299                       | 339    | 263    | 268    | 339    | 231    | 2,277          | 1,764   | -23   |
| South Dakota .....          | 161                       | 22     | 48     | 98     | 129    | 92     | 811            | 421     | -48   |
| Tennessee .....             | 1,082                     | 726    | 763    | 979    | 874    | 886    | 6,689          | 4,753   | -29   |
| Texas .....                 | 3,600                     | 3,997  | 4,187  | 4,319  | 4,328  | 4,000  | 25,762         | 25,085  | -3  |
| Utah .....                  | 815                       | 474    | 520    | 525    | 449    | 604    | 3,789          | 2,863   | -24   |
| Vermont .....               | 29                        | 7      | 21     | 30     | 48     | 35     | 157            | 153     | -3  |
| Virginia .....              | 2,380                     | 1,344  | 1,498  | 2,119  | 2,426  | 2,023  | 15,371         | 10,826  | -30   |
| Washington .....            | 1,550                     | 678    | 1,147  | 1,365  | 1,489  | 1,428  | 8,552          | 6,978   | -18   |
| West Virginia .....         | 284                       | 150    | 220    | 286    | 292    | 247    | 1,580          | 1,308   | -17   |
| Wisconsin .....             | 1,880                     | 870    | 1,727  | 2,111  | 2,094  | 1,925  | 11,360         | 9,435   | -17   |
| Wyoming .....               | 89                        | 39     | 81     | 54     | 94     | 106    | 615            | 416     | -32   |

Source: Department of Labor.

## CONSTRUCTION REVIEW

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Table C-7: Building Permit Activity: Valuation, in Selected Metropolitan Areas

|                                    | (Millions of dollars) |       |       |       |       |       |                |       |                                    |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|----------------|-------|------------------------------------|
| Metropolitan area                  | 1956                  | 1957  |       |       |       |       | First 6 months |       | Percent change, 1st 6 mos. 1956-57 |
|                                    | June                  | Feb.  | Mar.  | Apr.  | May   | June  | 1956           | 1957  |                                    |
| Atlanta, Ga. ....                  | 12.0                  | 13.5  | 12.4  | 19.8  | 11.2  | 8.6   | 75.2           | 76.3  | + 1                                |
| Baltimore, Md. ....                | 22.1                  | 27.0  | 14.8  | 18.8  | 26.2  | 29.5  | 112.5          | 130.8 | +16                                |
| Birmingham, Ala. ....              | 6.0                   | 4.5   | 5.0   | 7.0   | 8.0   | 6.0   | 38.2           | 36.7  | - 4                                |
| Boston, Mass. ....                 | 20.0                  | 19.8  | 32.7  | 15.6  | 26.1  | 20.7  | 119.0          | 125.7 | + 6                                |
| Buffalo, N. Y. ....                | 18.6                  | 9.0   | 12.3  | 15.0  | 24.5  | 15.8  | 82.6           | 82.6  | 0                                  |
| Chicago, Ill. ....                 | 110.5                 | 84.4  | 100.5 | 123.7 | 103.9 | 111.4 | 627.6          | 587.6 | - 6                                |
| Cleveland, Ohio ....               | 40.9                  | 22.3  | 29.5  | 27.6  | 31.9  | 47.9  | 200.4          | 171.3 | -15                                |
| Columbus, Ohio ....                | 12.7                  | 9.6   | 10.5  | 8.7   | 17.7  | 11.4  | 70.3           | 62.6  | -11                                |
| Denver, Colo. ....                 | 11.7                  | 11.8  | 15.8  | 13.9  | 11.4  | 13.2  | 85.2           | 80.9  | - 5                                |
| Detroit, Mich. ....                | 64.0                  | 33.6  | 49.2  | 63.2  | 66.0  | 64.3  | 369.2          | 305.5 | -17                                |
| Indianapolis, Ind. ....            | 9.3                   | 8.1   | 15.3  | 8.2   | 8.3   | 10.2  | 60.2           | 56.2  | - 7                                |
| Los Angeles, Calif. ....           | 146.2                 | 108.4 | 141.2 | 137.5 | 148.9 | 121.3 | 842.4          | 766.4 | - 9                                |
| Miami, Fla. ....                   | 27.6                  | 23.0  | 26.4  | 25.2  | 30.6  | 33.6  | 137.3          | 161.3 | +17                                |
| Milwaukee, Wis. ....               | 15.5                  | 17.4  | 15.6  | 17.6  | 18.6  | 22.9  | 98.2           | 100.7 | + 3                                |
| New York-Northeastern New Jersey   | 169.9                 | 86.4  | 111.4 | 124.1 | 190.4 | 106.8 | 820.5          | 700.9 | -15                                |
| Norfolk-Portsmouth, Va. ....       | 11.4                  | 4.4   | 4.3   | 3.5   | 4.1   | 19.3  | 43.9           | 42.3  | - 4                                |
| Philadelphia, Pa. ....             | 60.6                  | 37.7  | 31.6  | 49.7  | 41.9  | 42.2  | 283.2          | 228.8 | -19                                |
| Phoenix, Ariz. ....                | 13.3                  | 9.9   | 10.1  | 14.7  | 10.8  | 12.9  | 62.8           | 68.7  | + 9                                |
| Rochester, N. Y. ....              | 5.8                   | 3.2   | 5.0   | 6.8   | 5.9   | 13.7  | 30.4           | 37.6  | +24                                |
| Salt Lake City, Utah ....          | 8.5                   | 3.8   | 7.1   | 4.1   | 4.8   | 5.4   | 34.7           | 28.1  | -19                                |
| San Diego, Calif. ....             | 17.0                  | 14.1  | 18.5  | 23.6  | 23.9  | 20.0  | 94.1           | 122.1 | +30                                |
| San Francisco-Oakland, Calif. .... | 46.0                  | 27.2  | 35.3  | 45.8  | 39.0  | 33.5  | 252.4          | 211.1 | -16                                |
| Seattle, Wash. ....                | 24.0                  | 112.5 | 13.3  | 13.2  | 15.2  | 13.8  | 87.7           | 81.2  | - 7                                |
| Washington, D. C. ....             | 26.8                  | 18.5  | 23.4  | 31.5  | 27.0  | 34.6  | 173.4          | 151.6 | -13                                |

Source: Department of Labor.

Table C-8: Building Permit Activity: Number of New Dwelling Units, in Selected Metropolitan Areas

|                                    | (Housekeeping only) |       |       |       |       |       |                |        |                                    |
|------------------------------------|---------------------|-------|-------|-------|-------|-------|----------------|--------|------------------------------------|
| Metropolitan area                  | 1956                | 1957  |       |       |       |       | First 6 months |        | Percent change, 1st 6 mos. 1956-57 |
|                                    | June                | Feb.  | Mar.  | Apr.  | May   | June  | 1956           | 1957   |                                    |
| Atlanta, Ga. ....                  | 754                 | 547   | 680   | 756   | 742   | 649   | 5,230          | 4,051  | -23                                |
| Baltimore, Md. ....                | 992                 | 1,493 | 1,035 | 1,170 | 1,270 | 2,149 | 6,412          | 7,946  | +24                                |
| Birmingham, Ala. ....              | 339                 | 287   | 378   | 416   | 502   | 421   | 2,308          | 2,551  | + 2                                |
| Boston, Mass. ....                 | 884                 | 550   | 722   | 634   | 962   | 643   | 5,240          | 3,769  | -28                                |
| Buffalo, N. Y. ....                | 1,007               | 238   | 645   | 756   | 829   | 823   | 5,160          | 3,593  | -30                                |
| Chicago, Ill. ....                 | 5,204               | 3,025 | 4,313 | 4,178 | 4,579 | 4,586 | 28,158         | 22,842 | -19                                |
| Cleveland, Ohio ....               | 1,304               | 602   | 1,042 | 1,005 | 1,131 | 1,563 | 6,411          | 5,698  | -11                                |
| Columbus, Ohio ....                | 785                 | 367   | 391   | 357   | 728   | 501   | 2,457          | 2,588  | -25                                |
| Denver, Colo. ....                 | 702                 | 554   | 698   | 770   | 605   | 807   | 5,180          | 4,072  | -21                                |
| Detroit, Mich. ....                | 3,161               | 1,240 | 2,379 | 2,555 | 2,574 | 2,705 | 17,673         | 12,398 | -30                                |
| Indianapolis, Ind. ....            | 443                 | 255   | 436   | 363   | 355   | 419   | 2,571          | 2,024  | -21                                |
| Los Angeles, Calif. ....           | 7,174               | 6,551 | 8,801 | 7,943 | 8,976 | 6,570 | 49,714         | 45,342 | - 9                                |
| Miami, Fla. ....                   | 1,573               | 1,282 | 1,643 | 1,578 | 2,677 | 1,489 | 8,982          | 10,088 | +12                                |
| Milwaukee, Wis. ....               | 790                 | 515   | 881   | 884   | 931   | 1,016 | 4,876          | 4,658  | - 4                                |
| New York-Northeastern New Jersey   | 8,084               | 3,643 | 4,570 | 6,201 | 6,466 | 5,658 | 41,288         | 29,888 | -28                                |
| Norfolk-Portsmouth, Va. ....       | 313                 | 177   | 188   | 217   | 330   | 399   | 2,802          | 1,595  | -43                                |
| Philadelphia, Pa. ....             | 2,187               | 928   | 1,410 | 1,861 | 2,105 | 2,100 | 14,831         | 9,650  | -35                                |
| Phoenix, Ariz. ....                | 535                 | 858   | 704   | 987   | 874   | 905   | 4,312          | 5,320  | +23                                |
| Rochester, N. Y. ....              | 307                 | 123   | 233   | 323   | 310   | 259   | 1,567          | 1,392  | -11                                |
| Salt Lake City, Utah ....          | 487                 | 189   | 215   | 229   | 206   | 314   | 2,107          | 1,356  | -36                                |
| San Diego, Calif. ....             | 1,031               | 1,125 | 1,165 | 1,804 | 1,559 | 1,326 | 6,425          | 8,098  | +26                                |
| San Francisco-Oakland, Calif. .... | 2,094               | 1,235 | 1,312 | 1,831 | 1,981 | 1,557 | 12,350         | 9,117  | -26                                |
| Seattle, Wash. ....                | 622                 | 368   | 542   | 662   | 804   | 784   | 3,998          | 3,769  | - 6                                |
| Washington, D. C. ....             | 1,403               | 829   | 1,062 | 1,492 | 1,430 | 1,358 | 9,269          | 6,890  | -26                                |

Source: Department of Labor.



## CONSTRUCTION REVIEW

Table C-9: Building Permit Activity: Valuation in Selected Metropolitan Areas by Type of Building Construction

June 1957 (Thousands of dollars)

| Type of building construction          | Atlanta, Ga.           | Baltimore, Md.    | Birmingham, Ala.    | Boston, Mass.              | Buffalo, N. Y.       | Chicago, Ill.                        | Cleveland, Ohio                  | Columbus, Ohio          |
|--|------------------------|-------------------|---------------------|----------------------------|----------------------|--------------------------------------|----------------------------------|-------------------------|
| All building construction <sup>1</sup> | 8,564                  | 29,505            | 6,020               | 20,692                     | 15,837               | 111,449                              | 47,940                           | 11,441                  |
| New dwelling units <sup>2</sup>        | 5,493                  | 25,210            | 3,696               | 7,776                      | 9,115                | 62,323                               | 21,444                           | 7,657                   |
| New nonresidential building            | 2,398                  | 2,917             | 1,364               | 9,455                      | 5,637                | 42,461                               | 23,440                           | 2,667                   |
| Commercial buildings*                  | 855                    | 1,291             | 315                 | 3,441                      | 1,847                | 5,183                                | 7,896                            | 1,214                   |
| Amusement buildings*                   | 39                     | 497               | 3                   | 377                        | 56                   | 916                                  | 110                              | 154                     |
| Commercial garages                     | 10                     | 0                 | 0                   | 124                        | 0                    | 62                                   | 159                              | 46                      |
| Gasoline and service stations          | 21                     | 240               | 10                  | 165                        | 131                  | 489                                  | 80                               | 147                     |
| Office buildings*                      | 169                    | 40                | 33                  | 2,091                      | 1,336                | 1,026                                | 385                              | 172                     |
| Stores and other mercantile bldgs.     | 616                    | 514               | 269                 | 684                        | 325                  | 2,691                                | 7,163                            | 695                     |
| Community buildings*                   | 822                    | 811               | 878                 | 4,780                      | 1,265                | 23,769                               | 11,258                           | 100                     |
| Educational buildings                  | 591                    | 689               | 774                 | 3,752                      | 0                    | 5,977                                | 2,715                            | 100                     |
| Institutional buildings*               | 0                      | 0                 | 0                   | 130                        | 650                  | 16,610                               | 5,995                            | 0                       |
| Religious buildings                    | 232                    | 122               | 104                 | 898                        | 615                  | 1,182                                | 2,548                            | 0                       |
| Garages, private residential           | 17                     | 61                | 31                  | 138                        | 488                  | 2,572                                | 1,150                            | 224                     |
| Industrial buildings*                  | 402                    | 262               | 110                 | 619                        | 705                  | 8,329                                | 2,084                            | 160                     |
| Public utilities buildings*            | 270                    | 20                | 0                   | 404                        | 14                   | 1,816                                | 354                              | 8                       |
| All other nonresidential buildings*    | 31                     | 473               | 29                  | 74                         | 1,318                | 792                                  | 698                              | 962                     |
| Additions, alterations, and repairs    | 673                    | 1,371             | 960                 | 3,160                      | 1,085                | 6,200                                | 2,953                            | 1,057                   |
|  | Denver, Colo.          | Detroit, Mich.    | Indianapolis, Ind.  | Los Angeles, Calif.        | Miami, Fla.          | Milwaukee Wis.                       | New York-Northeastern New Jersey | Norfolk-Portsmouth, Va. |
| All building construction <sup>1</sup> | 13,213                 | 64,294            | 10,164              | 121,345                    | 33,597               | 22,880                               | 106,832                          | 19,310                  |
| New dwelling units <sup>2</sup>        | 7,987                  | 33,554            | 5,269               | 65,444                     | 12,025               | 10,308                               | 65,394                           | 3,199                   |
| New nonresidential building            | 2,766                  | 24,584            | 4,257               | 39,542                     | 15,777               | 10,495                               | 28,900                           | 15,081                  |
| Commercial buildings*                  | 764                    | 3,802             | 627                 | 12,009                     | 11,662               | 5,535                                | 12,783                           | 442                     |
| Amusement buildings*                   | 132                    | 308               | 184                 | 928                        | 248                  | 0                                    | 333                              | 0                       |
| Commercial garages                     | 0                      | 5                 | 0                   | 67                         | 42                   | 228                                  | 1,044                            | 0                       |
| Gasoline and service stations          | 125                    | 453               | 170                 | 301                        | 116                  | 67                                   | 840                              | 14                      |
| Office buildings*                      | 369                    | 361               | 162                 | 4,011                      | 10,279               | 178                                  | 7,139                            | 122                     |
| Stores and other mercantile bldgs.     | 138                    | 2,676             | 111                 | 6,702                      | 977                  | 5,062                                | 3,426                            | 306                     |
| Community buildings*                   | 1,193                  | 1,826             | 1,029               | 11,894                     | 1,174                | 2,150                                | 7,294                            | 14,429                  |
| Educational buildings                  | 1,041                  | 1,115             | 350                 | 7,944                      | 881                  | 650                                  | 2,858                            | 43                      |
| Institutional buildings*               | 0                      | 81                | 0                   | 2,300                      | 200                  | 1,500                                | 2,069                            | 14,319                  |
| Religious buildings                    | 152                    | 630               | 679                 | 1,650                      | 93                   | 0                                    | 2,367                            | 67                      |
| Garages, private residential           | 177                    | 2,777             | 161                 | 560                        | 84                   | 2,191                                | 1,206                            | 49                      |
| Industrial buildings*                  | 149                    | 10,160            | 2,231               | 4,525                      | 1,724                | 270                                  | 4,677                            | 148                     |
| Public utilities buildings*            | 269                    | 5,680             | 209                 | 4,614                      | 317                  | 214                                  | 806                              | 0                       |
| All other nonresidential buildings*    | 215                    | 339               | 1                   | 5,939                      | 816                  | 136                                  | 2,135                            | 14                      |
| Additions, alterations, and repairs    | 2,459                  | 6,157             | 639                 | 16,035                     | 3,455                | 2,076                                | 12,348                           | 1,011                   |
|  | Philadel-<br>phia, Pa. | Phoenix,<br>Ariz. | Rochester,<br>N. Y. | Salt Lake<br>City,<br>Utah | San Diego,<br>Calif. | San Francisco-<br>Oakland,<br>Calif. | Seattle,<br>Wash.                | Washington,<br>D. C.    |
| All building construction <sup>1</sup> | 42,188                 | 12,854            | 13,692              | 5,395                      | 20,032               | 33,476                               | 13,810                           | 34,599                  |
| New dwelling units <sup>2</sup>        | 25,713                 | 7,491             | 3,449               | 3,598                      | 13,322               | 17,942                               | 8,235                            | 16,278                  |
| New nonresidential building            | 10,819                 | 4,743             | 9,490               | 1,015                      | 5,667                | 10,204                               | 3,854                            | 8,219                   |
| Commercial buildings*                  | 4,787                  | 1,419             | 347                 | 611                        | 2,426                | 3,341                                | 893                              | 3,000                   |
| Amusement buildings*                   | 130                    | 0                 | 75                  | 0                          | 1,088                | 377                                  | 25                               | 2                       |
| Commercial garages                     | 7                      | 39                | 5                   | 0                          | 0                    | 747                                  | 0                                | 104                     |
| Gasoline and service stations          | 500                    | 80                | 0                   | 109                        | 70                   | 124                                  | 88                               | 91                      |
| Office buildings*                      | 859                    | 816               | 203                 | 242                        | 351                  | 1,328                                | 676                              | 2,158                   |
| Stores and other mercantile bldgs.     | 3,291                  | 483               | 64                  | 260                        | 917                  | 765                                  | 104                              | 646                     |
| Community buildings*                   | 3,110                  | 2,268             | 8,481               | 217                        | 1,440                | 652                                  | 178                              | 3,249                   |
| Educational buildings                  | 1,674                  | 323               | 8,381               | 0                          | 1,146                | 447                                  | 102                              | 2,816                   |
| Institutional buildings*               | 764                    | 1,500             | 0                   | 200                        | 257                  | 5                                    | 0                                | 15                      |
| Religious buildings                    | 672                    | 445               | 100                 | 17                         | 37                   | 199                                  | 76                               | 418                     |
| Garages, private residential           | 370                    | 7                 | 339                 | 95                         | 201                  | 159                                  | 73                               | 51                      |
| Industrial buildings*                  | 1,551                  | 341               | 29                  | 65                         | 195                  | 887                                  | 1,525                            | 372                     |
| Public utilities buildings*            | 368                    | 576               | 216                 | 0                          | 39                   | 3,581                                | 80                               | 238                     |
| All other nonresidential buildings*    | 633                    | 133               | 79                  | 26                         | 1,367                | 1,584                                | 1,106                            | 1,309                   |
| Additions, alterations, and repairs    | 5,454                  | 605               | 751                 | 353                        | 973                  | 5,331                                | 1,676                            | 10,002                  |

Source: Department of Labor.

<sup>1</sup> Includes new nonhousekeeping residential building, not shown separately.<sup>2</sup> Housekeeping only.

\* Includes some buildings previously classified as "public buildings." See Note at beginning of Part C.



# Part D-Contracts

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Table D-1: Contract Awards: Public Construction, by Ownership and Type of Construction<sup>1</sup>

| Ownership and type of construction      | Value (in millions of dollars) |       |         |       |         |         |         |         |                | Percent change, first 7 months, 1956-57 |
|---|--------------------------------|-------|---------|-------|---------|---------|---------|---------|----------------|---|
|   | 1956                           | 1957  |         |       |         |         |         |         | First 7 months |   |
|   | July                           | Feb.  | Mar.    | Apr.  | May     | June    | July    | 1956    | 1957           |   |
| <b>TOTAL PUBLIC CONSTRUCTION</b> .....  | 1,100.1                        | 768.1 | 1,107.2 | 970.9 | 1,103.9 | 1,293.3 | 1,117.3 | 6,335.2 | 7,284.0        | +15                                     |
| <b>FEDERALLY OWNED</b> .....            | 184.9                          | 217.3 | 345.2   | 309.0 | 203.1   | 363.3   | 129.6   | 1,344.4 | 1,777.7        | +32                                     |
| Residential buildings .....             | 6.8                            | 19.3  | 115.4   | 21.5  | 64.5    | 29.0    | 60.3    | 77.5    | 340.2          | (2)                                     |
| Nonresidential buildings .....          | 46.3                           | 67.3  | 71.7    | 58.2  | 57.2    | 195.5   | 16.3    | 602.4   | 553.3          | -8                                      |
| Educational .....                       | 2.3                            | 1.5   | 4.0     | 8.7   | 1.0     | 7.2     | 2.1     | 13.7    | 45.0           | +228                                    |
| Hospital and institutional .....        | 3.4                            | 2.0   | 4.6     | .4    | 1.4     | 29.1    | .3      | 33.3    | 53.9           | +62                                     |
| Administrative and service .....        | 6.3                            | 1.5   | 3.5     | 7.5   | 10.8    | 61.6    | 9.3     | 67.8    | 98.7           | +46                                     |
| Other nonresidential buildings .....    | 34.3                           | 62.3  | 59.6    | 41.6  | 44.0    | 97.6    | 4.6     | 487.6   | 355.7          | -27                                     |
| Airfield buildings .....                | 4.1                            | 9.3   | 11.6    | 7.4   | 5.1     | 20.3    | .8      | 51.4    | 60.1           | +17                                     |
| Troop housing .....                     | 6.1                            | 16.4  | 7.7     | 9.8   | 7.7     | 8.2     | .2      | 77.0    | 55.6           | -28                                     |
| Warehouses .....                        | 4.5                            | 5.8   | 4.0     | 2.7   | 5.9     | 11.3    | .9      | 51.0    | 34.1           | -33                                     |
| All other .....                         | 19.6                           | 30.8  | 36.3    | 21.7  | 25.3    | 57.8    | 2.7     | 308.2   | 205.9          | -33                                     |
| Airfields .....                         | 6.1                            | 27.0  | 49.7    | 34.7  | 24.7    | 26.4    | (3)     | 88.7    | 170.4          | +92                                     |
| Conservation and development .....      | 54.8                           | 49.7  | 83.1    | 143.0 | 30.0    | 66.6    | 41.6    | 315.7   | 466.8          | +48                                     |
| Highways .....                          | 8.6                            | 3.4   | 4.1     | 15.8  | 6.8     | 11.6    | 8.6     | 50.9    | 59.6           | +17                                     |
| Electric power .....                    | 58.3                           | 25.6  | 2.9     | 23.3  | 5.7     | 6.0     | 1.1     | 165.4   | 72.5           | -56                                     |
| All other federally owned .....         | 4.0                            | 25.0  | 18.3    | 12.5  | 14.2    | 28.2    | 1.7     | 43.8    | 114.9          | +162                                    |
| <b>STATE AND LOCALLY OWNED</b> .....    | 915.2                          | 550.8 | 762.0   | 661.9 | 900.8   | 930.0   | 987.7   | 4,990.8 | 5,506.3        | +10                                     |
| Residential buildings .....             | 21.4                           | 31.4  | 7.4     | 14.7  | 21.7    | 27.5    | 38.8    | 154.8   | 163.3          | +5                                      |
| Nonresidential buildings .....          | 284.3                          | 256.1 | 300.8   | 256.2 | 345.2   | 337.8   | 267.0   | 1,877.9 | 2,015.9        | +7                                      |
| Educational .....                       | 199.2                          | 175.9 | 234.9   | 191.6 | 237.6   | 231.9   | 183.0   | 1,346.6 | 1,439.8        | +7                                      |
| Hospital and institutional .....        | 24.1                           | 27.4  | 15.8    | 17.4  | 43.6    | 35.8    | 22.2    | 162.6   | 174.8          | +8                                      |
| Administrative and service .....        | 26.1                           | 29.2  | 25.0    | 20.1  | 23.3    | 34.2    | 28.7    | 178.9   | 183.8          | +3                                      |
| Other nonresidential buildings .....    | 34.9                           | 23.6  | 25.1    | 27.1  | 40.7    | 35.9    | 33.1    | 189.8   | 217.5          | +15                                     |
| Highways .....                          | 349.3                          | 186.2 | 349.6   | 289.5 | 306.7   | 414.7   | 540.8   | 1,928.4 | 2,404.6        | +25                                     |
| Sewer and water systems .....           | 125.5                          | 55.4  | 75.4    | 67.7  | 172.6   | 103.7   | 80.7    | 671.9   | 624.4          | -7                                      |
| Sewer .....                             | 49.3                           | 16.6  | 43.6    | 44.1  | 94.4    | 74.4    | 55.5    | 393.7   | 365.9          | -7                                      |
| Water .....                             | 76.2                           | 38.8  | 31.8    | 23.6  | 78.2    | 29.3    | 25.2    | 278.2   | 258.5          | -7                                      |
| Public service enterprises .....        | 111.6                          | 11.7  | 17.4    | 18.8  | 27.3    | 33.3    | 38.7    | 210.5   | 180.3          | -14                                     |
| Electric power .....                    | 103.6                          | 8.2   | 7.7     | 9.0   | 9.0     | 23.7    | 14.7    | 156.2   | 89.4           | -43                                     |
| Other .....                             | 8.0                            | 3.5   | 9.7     | 9.8   | 18.3    | 9.6     | 24.0    | 54.3    | 90.9           | +67                                     |
| Conservation and development .....      | 11.9                           | 5.1   | 4.5     | 8.6   | 20.3    | 4.8     | 12.3    | 89.9    | 67.6           | -25                                     |
| All other State and locally owned ..... | 11.2                           | 4.9   | 6.9     | 6.4   | 7.0     | 8.2     | 9.4     | 57.4    | 50.2           | -13                                     |

Source: Departments of Commerce and Labor.

<sup>1</sup> Includes major force-account projects started, principally by TVA and State highway departments.

<sup>2</sup> Percent increase exceeds 300.

<sup>3</sup> Less than \$50,000.

Table D-2: Contract Awards: Highway Construction, by Ownership, Source of Funds, and Type of Facility<sup>1</sup>

| Ownership, source of funds, and type of facility | Value (in millions of dollars) |       |       |       |       |       |       |         |                | Percent change, first 7 months, 1956-57 |
|--|--------------------------------|-------|-------|-------|-------|-------|-------|---------|----------------|---|
|  | 1956                           | 1957  |       |       |       |       |       |         | First 7 months |   |
|  | July                           | Feb.  | Mar.  | Apr.  | May   | June  | July  | 1956    | 1957           |   |
| <b>ALL HIGHWAY CONSTRUCTION</b> .....            | 357.9                          | 189.6 | 353.7 | 305.3 | 313.5 | 426.3 | 549.4 | 1,979.3 | 2,464.2        | +24                                     |
| <b>FEDERALLY OWNED</b> .....                     | 8.6                            | 3.4   | 4.1   | 15.8  | 6.8   | 11.6  | 8.6   | 50.9    | 59.6           | +17                                     |
| <b>STATE OWNED</b> .....                         | 280.4                          | 167.5 | 320.7 | 244.3 | 241.2 | 358.5 | 491.0 | 1,650.2 | 2,115.3        | +28                                     |
| Federally aided projects:                        |                                |       |       |       |       |       |       |         |                |   |
| Total value .....                                | 149.6                          | 130.7 | 173.4 | 172.3 | 186.6 | 261.8 | 297.1 | 943.7   | 1,427.7        | +51                                     |
| Federal funds .....                              | 73.8                           | 83.7  | 113.5 | 111.2 | 117.3 | 174.9 | 200.8 | 485.1   | 937.2          | +93                                     |
| Independent State projects:                      |                                |       |       |       |       |       |       |         |                |   |
| Total value .....                                | 130.8                          | 36.8  | 147.3 | 72.0  | 54.6  | 96.7  | 193.9 | 706.5   | 687.6          | -3                                      |
| Toll facilities .....                            | 50.6                           | 3.1   | 97.8  | 22.9  | 10.5  | 3.7   | 127.0 | 277.4   | 306.6          | +11                                     |
| <b>LOCALLY OWNED</b> <sup>2</sup> .....          | 68.9                           | 18.7  | 28.9  | 45.2  | 65.5  | 56.2  | 49.8  | 278.2   | 289.3          | +4                                      |

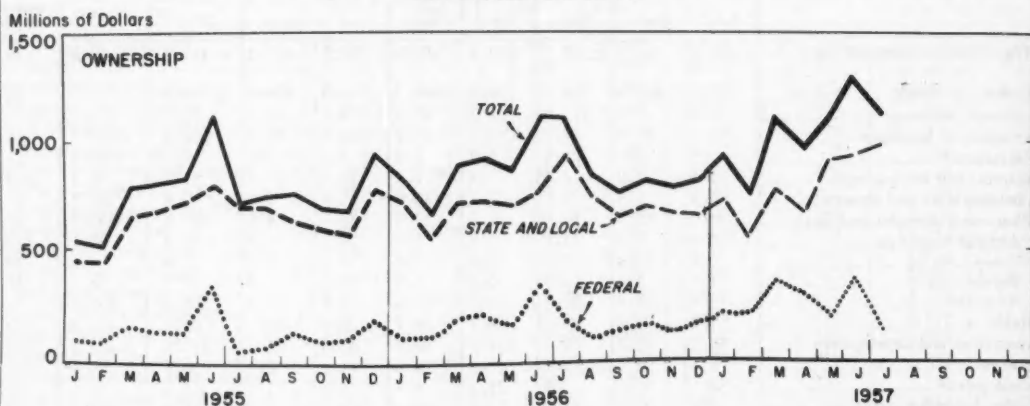
Source: Departments of Commerce and Labor and counties.

<sup>1</sup> Includes force-account work started on Federal and State projects.

<sup>2</sup> By municipalities

Chart 7.

## Contracts Awarded on Public Construction



SOURCE: DEPARTMENTS OF COMMERCE AND LABOR.

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Table D-3: Value of Construction Contracts Reported by the F. W. Dodge Corporation

| Type of construction       | Value (in millions of dollars) |                |        | Percent change,<br>first 8 months,<br>1956-57 |
|----------------------------|--------------------------------|----------------|--------|---|
|                            | Aug.<br>1957                   | First 8 months |        |   |
|                            |                                | 1957           | 1956   |   |
| TOTAL.....                 | 2,818                          | 22,677         | 22,160 | + 2   |
| Building construction..... | 2,292                          | 16,993         | 16,853 | + 1   |
| Residential.....           | 1,284                          | 9,054          | 9,166  | - 1   |
| Nonresidential.....        | 1,008                          | 7,940          | 7,687  | + 3   |
| Engineering.....           | 526                            | 5,683          | 5,307  | + 7   |
| Public works.....          | 394                            | 3,898          | 3,663  | + 6   |
| Utilities.....             | 132                            | 1,786          | 1,643  | + 9   |

Source: Table compiled by Department of Commerce from data published by the F. W. Dodge Corporation.

Table D-4: Value of Construction Contract Awards Reported by the Engineering News-Record

| Ownership and<br>type of construction     | Value (in millions of dollars) |                   |                | Percent change                           |
|---|--------------------------------|-------------------|----------------|--|
|   | Sept.<br>1957 <sup>1</sup>     | 12 months ending— |                | 12 months ending<br>in Sept.,<br>1956-57 |
|   |                                | Sept.<br>1957     | Sept.<br>1956  |  |
| <b>TOTAL</b> .....                        | <b>1, 247</b>                  | <b>19, 29 1</b>   | <b>21, 095</b> | <b>- 9</b>                               |
| Privately owned.....                      | 644                            | 9, 700            | 13, 214        | -27                                      |
| Publicly owned .....                      | 603                            | 9, 591            | 7, 881         | +22                                      |
| Private industrial buildings.....         | 212                            | 3, 704            | 5, 043         | -27                                      |
| Buildings, except private industrial..... | 600                            | 8, 216            | 9, 651         | -15                                      |
| Highways and bridges.....                 | 229                            | 3, 716            | 2, 942         | +26                                      |
| Sewer systems .....                       | 48                             | 548               | 557            | - 2                                      |
| Water systems .....                       | 15                             | 356               | 371            | - 4                                      |
| Unclassified and all other.....           | 143                            | 2, 751            | 2, 531         | + 9                                      |

Source: Table compiled by Department of Commerce from data published by the Engineering News-Record. Data include only those projects with contract values above the following minimum sizes: Water supply, earthwork, and waterways--\$44,000; other public works--\$73,000; industrial buildings--\$93,000; other buildings--\$344,000.

<sup>1</sup> Four weeks.

## Part E--Costs

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Table E-1: Construction Cost Indexes

| Compiler and coverage                               | Indexes (1947-49 = 100) |       |       |       |       |       |       |       |       | Percent change, Aug. 1956-57 |
|---|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
|   | 1957                    |       |       |       |       |       | 1954  | 1955  | 1956  |                              |
|   | Mar.                    | Apr.  | May   | June  | July  | Aug.  | Aug.  | Aug.  | Aug.  |                              |
| American Appraisal Company .....                    | 139                     | 139   | 140   | 141   | 142   | 142   | 126   | 130   | 136   | + 4                          |
| Associated General Contractors.....                 | 146                     | 146   | 148   | 150   | 151   | 151   | 133   | 137   | 144   | + 5                          |
| E. H. Boeckh and Associates (20 city average):      |                         |       |       |       |       |       |       |       |       |                              |
| Residences .....                                    | 130.7                   | 130.9 | 131.6 | 132.2 | 132.8 | 132.9 | 120.7 | 124.9 | 130.5 | + 2                          |
| Apartments, hotels, and office buildings .....      | 139.5                   | 139.8 | 140.6 | 141.5 | 142.4 | 142.5 | 127.4 | 131.8 | 138.3 | + 3                          |
| Commercial and factory buildings .....              | 141.7                   | 142.0 | 142.9 | 143.8 | 145.2 | 145.3 | 128.5 | 133.4 | 140.2 | + 4                          |
| Engineering News-Record                             |                         |       |       |       |       |       |       |       |       |                              |
| Building .....                                      | 149.0                   | 149.0 | 149.5 | 149.9 | 150.6 | 153.6 | 135.4 | 142.1 | 146.0 | + 5                          |
| Construction .....                                  | 157.4                   | 157.5 | 158.9 | 160.2 | 160.8 | 164.0 | 142.5 | 149.3 | 154.6 | + 6                          |
| Department of Commerce composite <sup>1</sup> ..... | 135                     | 135   | 136   | 137   | 138   | 138   | 122   | 126   | 133   | + 4                          |

Source: Department of Commerce.  
relative importance of each type.

<sup>1</sup> A composite of cost indexes representative of the major types of construction, weighted by the current

Table E-2: Indexes of Wholesale Prices of Building Materials, by Selected Classes

| Commodity  | Indexes (1947-49 = 100) |       |       |       |       |       |       |       |       | Percent change, Aug. 1956-57 |
|--|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
|  | 1957                    |       |       |       |       |       | 1954  | 1955  | 1956  |                              |
|  | Mar.                    | Apr.  | May   | June  | July  | Aug.  | Aug.  | Aug.  | Aug.  |                              |
| <b>ALL BUILDING MATERIALS <sup>1</sup></b> ..... | 130.5                   | 130.7 | 130.7 | 130.7 | 131.4 | 131.3 | 120.8 | 127.4 | 131.5 | (2)                          |
| <b>LUMBER AND WOOD PRODUCTS:</b>                 |                         |       |       |       |       |       |       |       |       |                              |
| Lumber .....                                     | 121.2                   | 121.2 | 120.6 | 120.4 | 120.0 | 119.6 | 118.7 | 126.4 | 127.1 | - 6                          |
| Douglas fir .....                                | 119.6                   | 119.8 | 118.2 | 118.0 | 117.8 | 117.0 | 124.5 | 134.1 | 128.9 | - 9                          |
| Southern pine .....                              | 115.5                   | 115.1 | 114.7 | 114.1 | 114.5 | 113.5 | 111.5 | 115.3 | 119.1 | - 5                          |
| Other softwoods .....                            | 133.3                   | 134.0 | 134.5 | 134.6 | 133.4 | 133.7 | 130.2 | 138.4 | 137.5 | - 3                          |
| Hardwoods .....                                  | 120.6                   | 120.3 | 119.6 | 119.4 | 119.0 | 118.4 | 112.1 | 120.4 | 126.6 | - 6                          |
| Millwork .....                                   | 128.7                   | 128.3 | 128.3 | 128.5 | 128.3 | 128.3 | 129.7 | 128.3 | 129.5 | - 1                          |
| Plywood .....                                    | 96.2                    | 96.7  | 96.8  | 97.7  | 96.9  | 94.9  | 105.4 | 105.7 | 99.2  | - 4                          |
| Softwood .....                                   | 91.1                    | 92.1  | 92.4  | 94.2  | 92.6  | 88.6  | 114.7 | 110.7 | 95.4  | - 7                          |
| Hardwood .....                                   | 103.4                   | 103.4 | 103.4 | 103.4 | 103.4 | 103.4 | 98.8  | 102.6 | 105.4 | - 2                          |
| <b>PAINT AND PAINT MATERIALS:</b>                |                         |       |       |       |       |       |       |       |       |                              |
| Prepared paint .....                             | 124.1                   | 124.1 | 124.7 | 125.5 | 128.1 | 128.1 | 112.8 | 114.8 | 119.1 | + 8                          |
| Paint materials .....                            | 100.1                   | 99.8  | 99.8  | 99.7  | 99.9  | 100.5 | 97.8  | 97.6  | 98.3  | + 2                          |
| <b>METAL PRODUCTS:</b>                           |                         |       |       |       |       |       |       |       |       |                              |
| Structural shapes .....                          | 183.4                   | 183.4 | 183.4 | 183.4 | 192.3 | 192.3 | 146.2 | 157.5 | 170.5 | +13                          |
| Hardware, finish .....                           | 150.8                   | 153.7 | 155.3 | 155.3 | 155.3 | 155.3 | 135.8 | 139.9 | 150.2 | + 3                          |
| Plumbing equipment .....                         | 132.0                   | 131.6 | 130.1 | 129.1 | 129.1 | 129.0 | 118.5 | 128.1 | 134.1 | - 4                          |
| Enameled iron fixtures .....                     | 125.9                   | 127.7 | 127.7 | 126.3 | 125.8 | 125.8 | 129.2 | 131.9 | 125.3 | (2)                          |
| Vitreous china fixtures .....                    | 124.2                   | 124.2 | 124.2 | 124.2 | 124.2 | 124.2 | 111.7 | 123.0 | 124.2 | 0                            |
| Brass fittings .....                             | 139.9                   | 138.5 | 136.9 | 135.7 | 135.7 | 135.7 | 116.5 | 129.4 | 143.0 | - 5                          |
| Heating equipment .....                          | 121.6                   | 121.6 | 121.4 | 121.9 | 122.8 | 122.7 | 114.1 | 116.0 | 119.1 | + 3                          |
| Furnaces .....                                   | 127.1                   | 127.2 | 127.3 | 128.5 | 129.1 | 129.1 | 120.6 | 122.8 | 126.6 | + 2                          |
| Water heaters .....                              | 109.1                   | 109.0 | 107.3 | 107.3 | 107.6 | 106.3 | 108.4 | 110.9 | 108.3 | - 2                          |
| Metal sash .....                                 | 138.1                   | 138.1 | 138.1 | 138.1 | 142.8 | 142.8 | 131.4 | 146.4 | 147.5 | - 3                          |
| <b>NONMETALLIC MINERAL PRODUCTS:</b>             |                         |       |       |       |       |       |       |       |       |                              |
| Glass, plate .....                               | 145.7                   | 145.7 | 145.7 | 145.7 | 145.7 | 145.7 | 132.0 | 137.5 | 145.7 | 0                            |
| Glass, window .....                              | 145.9                   | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 | 131.3 | 138.8 | 145.9 | 0                            |
| Concrete ingredients .....                       | 135.1                   | 135.7 | 135.7 | 135.8 | 136.4 | 136.5 | 122.2 | 125.3 | 130.7 | + 4                          |
| Portland cement .....                            | 145.9                   | 147.2 | 147.2 | 147.2 | 147.2 | 147.2 | 128.3 | 131.8 | 139.8 | + 5                          |
| Concrete products .....                          | 125.7                   | 126.6 | 126.7 | 126.7 | 126.4 | 126.4 | 117.9 | 118.6 | 123.4 | + 2                          |
| Structural clay products .....                   | 150.8                   | 155.0 | 155.0 | 155.1 | 155.1 | 155.0 | 132.3 | 142.9 | 150.1 | + 3                          |
| Gypsum products .....                            | 127.1                   | 127.1 | 127.1 | 127.1 | 127.1 | 127.1 | 122.1 | 122.1 | 127.1 | 0                            |
| Asphalt roofing .....                            | 118.2                   | 121.6 | 125.8 | 125.8 | 125.8 | 125.8 | 98.6  | 114.5 | 117.5 | + 7                          |
| Insulation materials .....                       | 103.1                   | 103.1 | 103.1 | 103.1 | 103.1 | 103.1 | 110.1 | 106.7 | 100.9 | + 2                          |
| <b>MISCELLANEOUS PRODUCTS:</b>                   |                         |       |       |       |       |       |       |       |       |                              |
| Building board .....                             | 141.1                   | 141.7 | 141.7 | 141.7 | 141.7 | 141.7 | 127.6 | 132.7 | 138.1 | + 3                          |
| Kitchen cabinets, metal .....                    | 142.0                   | 142.0 | 142.0 | 142.0 | 142.0 | 142.0 | 127.6 | 133.9 | 136.5 | + 4                          |

Source: Department of Labor.

<sup>1</sup> Includes items not shown separately.

<sup>2</sup> Change of less than one-half of 1 percent.

## CONSTRUCTION REVIEW

Table E-3: Wholesale Prices of Selected Building Materials

| Commodity   | Unit            | 1957     |          | 1956     |
|---|-----------------|----------|----------|----------|
|   |                 | July     | June     | July     |
| <b>LUMBER</b>   |                 |          |          |          |
| Douglas fir:  |                 |          |          |          |
| Dimension, construction, 25% Standard green, S4S, 2"x 4", R.L., mixed c/1, f.o.b. mill .....  | M bd. ft.       | \$65.611 | \$65.737 | \$74.641 |
| Boards, construction, 25% Standard green, S4S, R.L., 1"x 8", loose, mixed c/1 of boards and dimension, f.o.b. mill .....                              | M bd. ft.       | 56.481   | 57.902   | 66.803   |
| Timbers, construction, 8"x 8" to 12"x 12", R.L., green f.o.b. mill .....  | M bd. ft.       | 73.430   | 73.976   | 84.399   |
| Southern pine:  |                 |          |          |          |
| Dimension, No. 2 and better, 2"x4"x16', dry, S.L., S4S, f.o.b. mill .....   | M bd. ft.       | 85.520   | 85.152   | 85.765   |
| Boards, No. 2 and better, 1"x6", dry, R.L., S4S, f.o.b. mill .....  | M bd. ft.       | 77.272   | 77.183   | 82.425   |
| Ponderosa pine boards, No. 3 common, 1"x8", R.L., S2 or 4S, c/1 or mixed cars, f.o.b. mill .....  | M bd. ft.       | 72.370   | 74.120   | 79.800   |
| Oak, red, flooring, plain, 25/32" thick, 2-1/4" face, select, f.o.b. mill .....   | M bd. ft.       | 168.456  | 170.759  | 196.931  |
| Maple flooring 2d grade, 25/32"x2-1/4" face, f.o.b. mill .....  | M bd. ft.       | 216.690  | 214.799  | 202.914  |
| Poplar, plain, No. 2B common, 4/4", R.W., f.o.b. mill .....   | M bd. ft.       | 60.000   | 60.000   | 60.000   |
| Beech, No. 2 common, 4/4", R.W. & L., f.o.b. mill .....   | M bd. ft.       | 56.000   | 56.000   | 56.000   |
| <b>MILLWORK</b>   |                 |          |          |          |
| Door, flush type, interior, hardwood face, premium grade, 2' 6"x 6' 8"x 1-3/8", f.o.b. factory, carlot freight allowed, zone 1 .....                  | Each            | 7.960    | 8.009    | 8.395    |
| Door frame, ponderosa pine, exterior, 1-5/16"x2" casing, with sill, f.o.b. factory .....  | Each            | 9.394    | 9.394    | 9.372    |
| Window, ponderosa pine, 2-light, check rail, open, f.o.b. factory .....   | Each            | 1.679    | 1.679    | 1.681    |
| <b>PLYWOOD</b>  |                 |          |          |          |
| Douglas fir, interior, grade A-D, 1/4"x48"x96", f.o.b. mill .....   | M sq. ft.       | 66.547   | 68.446   | 76.053   |
| Douglas fir, interior, grade C-D, 5/16"x48"x96", f.o.b. mill .....  | M sq. ft.       | 58.941   | 59.232   | 63.695   |
| <b>BOARD</b>  |                 |          |          |          |
| Insulation, fiber, 1/2"x48"x96", interior, f.o.b. plant, freight equalized .....  | M sq. ft.       | 59.000   | 59.000   | 57.500   |
| <b>PREPARED PAINT</b>   |                 |          |          |          |
| Emulsion, water-thinned, inside, delivered .....  | Gallon          | 2.743    | 2.719    | 2.510    |
| Varnish, floor, first grade, delivered .....  | Gallon          | 4.119    | 4.035    | 3.874    |
| Enamel, white, gloss, first grade, delivered .....  | Gallon          | 5.128    | 5.029    | 4.802    |
| Inside, flat, white, first grade, delivered .....   | Gallon          | 3.383    | 3.309    | 3.116    |
| Outside, white, first grade, delivered .....  | Gallon          | 4.808    | 4.716    | 4.477    |
| <b>METAL PRODUCTS</b>   |                 |          |          |          |
| Structural shapes, carbon steel, 6"x4"x1/2" angles, 30' long, ASTM spec. A-7, base quantity, f.o.b. mill .....  | 100 lb.         | 5.942    | 5.667    | 4.867    |
| Bars, reinforcing, carbon steel, 3/4" rounds x 30' long with 10% shorts, spec. ASTM A-15, 50T, base quantity, f.o.b. mill .....                       | 100 lb.         | 6.210    | 5.860    | 5.313    |
| Sheets, galvanized, carbon steel, 24 gage x 30" wide x 96" long, commercial coating, base chemistry, base packaging, base quantity, f.o.b. mill ..... | 100 lb.         | 8.220    | 7.990    | 7.770    |
| Pipe, standard, black, carbon steel, butt weld, threaded and coupled, 1-1/4" nominal, random lengths, wt. 228 lbs., f.o.b. mill .....                 | 100 ft.         | 19.814   | 18.894   | 16.997   |
| Pipe, standard, galvanized, carbon steel, butt weld, threaded and coupled, 1-1/4" nominal, random lengths, wt. 228 lbs., f.o.b. mill .....            | 100 ft.         | 23.264   | 22.344   | 21.137   |
| Nails, wire, carbon steel, 8-penny, common, c/1, f.o.b. mill .....  | 100 lb. keg     | 9.828    | 9.365    | 8.595    |
| Soil pipe, cast iron, 2" to 6", single and double hub, service pipe, extra heavy, f.o.b. foundry, index number (1947-49 = 100) .....                  | Ton             | (115.1)  | (115.1)  | (106.0)  |
| Aluminum sheets, 3003-H14, hard alloy, mill finish, 0.64"x48"x144", 30,000 lbs. or over, f.o.b. shipping point, freight allowed .....                 | Pound           | \$0.427  | \$0.427  | \$0.408  |
| Copper water tubing, type L, 3/4" size, 0.045" thick, 2,000 ft. or more in 60' coils (0.455 lbs. per linear ft.), f.o.b. mill, freight allowed .....  | Foot            | .274     | .287     | .316     |
| Wire, building, type R, size 12, single braid, f.o.b. destination, or freight prepaid on specified amounts .....                                      | M ft.           | 19.355   | 19.600   | 21.930   |
| Screening, insect, bronze wire, 18x14 mesh, 30" wide, c/1, f.o.b. factory .....   | Linear ft. roll | 27.877   | 27.877   | 30.780   |
| <b>PLUMBING EQUIPMENT</b>   |                 |          |          |          |
| Bath tub, enameled iron, 5', recessed, f.o.b. factory, freight allowed .....  | Each            | 55.216   | 55.546   | 55.113   |
| Lavatory, enameled iron, 20"x18", f.o.b. plant, freight allowed .....   | Each            | 13.497   | 13.497   | 13.497   |
| Water closet, vitreous china, close coupled, reverse trap, f.o.b. plant, freight allowed .....  | Each            | 24.686   | 24.686   | 24.682   |
| Sink, enameled steel, 32"x21", flat rim, 2-compartment, acid resisting, without drainboard, f.o.b. plant, freight allowed .....                       | Each            | 13.194   | 13.194   | 15.687   |

Table E-3: Wholesale Prices of Selected Building Materials--Continued

| Commodity   | Unit                     | 1957      |           | 1956      |
|---|--------------------------|-----------|-----------|-----------|
|   |                          | July      | June      | July      |
| <b>HEATING EQUIPMENT</b>  |                          |           |           |           |
| Boiler, heating, steel, oil fired, steam rating 400 sq. ft., less burner, with jacket and standard trim, f.o.b. factory, freight allowed .....            | Each                     | \$200.064 | \$196.797 | \$190.342 |
| Convactor, nonferrous, free standing, average steam rating 43 sq. ft., E.D.R., f.o.b. factory, freight allowance .....                                    | Sq. ft., incl. enclosure | .458      | .458      | .451      |
| Furnace, warm air:  |                          |           |           |           |
| Steel, oil fired, forced air, gun-type burner, average bonnet output 90,000-115,000 BTU per hr., f.o.b. factory, freight allowance .....                  | Each                     | 262.049   | 262.049   | 242.671   |
| Steel, gas fired, standard automatic controls, average input rating 85,000-110,000 BTU per hr., enclosing jacket, f.o.b. factory, freight allowance ..... | Each                     | 171.914   | 171.914   | 165.998   |
| Furnace, floor, gas fired, floor grill, average input rating 40,000-60,000 BTU per hr., manual controls, f.o.b. factory .....                             | Each                     | 58.283    | 58.283    | 57.217    |
| Oil burner, mechanical forced draft (gun-type), 2-1/2 gal. per hr., thermostat, limit and stack controls, f.o.b. factory .....                            | Each                     | 107.171   | 107.171   | 100.961   |
| Water heater, gas, automatic, 30-gal. storage tank, galvanized steel, 1-year guarantee, f.o.b. factory, freight allowed .....                             | Each                     | 41.581    | 40.937    | 41.640    |
| <b>NONMETALLIC MINERAL PRODUCTS</b>   |                          |           |           |           |
| Sand, construction, f.o.b. plant .....  | Ton                      | 1.298     | 1.284     | 1.225     |
| Gravel, for concrete, 1-1/2" maximum, f.o.b. plant .....  | Ton                      | 1.575     | 1.555     | 1.510     |
| Crushed stone, for concrete, 1-1/2" maximum, f.o.b. plant .....   | Ton                      | 1.660     | 1.650     | 1.610     |
| Block, concrete, lightweight aggregate, 8"x8"x16", f.o.b. plant .....   | Each                     | .191      | .189      | .181      |
| Pipe, concrete, culvert, reinforced, 24" diameter, ASTM spec. C76-41 table 1, 3" wall thickness, 3'-8' lengths, delivered .....                           | Foot                     | 4.099     | 4.153     | 3.981     |
| Brick, building, f.o.b. plant .....   | Thousand                 | 30.914    | 30.914    | 30.946    |
| Brick, face, red, first quality, textured, f.o.b. plant .....   | Thousand                 | 49.832    | 39.832    | 39.998    |
| Tile, clay, partition, scored, 4"x12"x12", 3-cell, 16 lbs., f.o.b. plant .....  | Thousand                 | 134.556   | 134.556   | 134.556   |
| Sewer pipe, vitrified clay, 8" diameter, 3' lengths, standard strength, f.o.b. plant .....  | Foot                     | .547      | .547      | .520      |
| Lath, gypsum, 3/8"x16"x48", f.o.b. plant, freight equalized .....   | M sq. ft.                | 25.034    | 25.034    | 24.990    |
| Wallboard, gypsum, 3/8"x48", varying lengths, f.o.b. plant, freight equalized .....   | M sq. ft.                | 32.830    | 32.830    | 32.830    |
| Plaster, gypsum, base coat, f.o.b. plant, freight equalized .....   | Ton                      | 15.928    | 15.928    | 15.928    |
| Shingles, asphalt, strip, 210 lbs., f.o.b. factory, freight allowance .....   | Square                   | 6.307     | 6.307     | 5.897     |
| Lime, hydrated, building, finishing, f.o.b. plant .....   | Ton                      | 21.683    | 21.683    | 20.306    |
| Siding shingles, asbestos cement, f.o.b. plant, freight equalized .....   | Square                   | 11.456    | 11.456    | 10.990    |

Source: Department of Labor.

(NOTE: Tables E-4 and E-5, Union Wage Scales in the Building Trades, are shown quarterly in the February, May, August, and November issues.)



## Part F—Materials Output

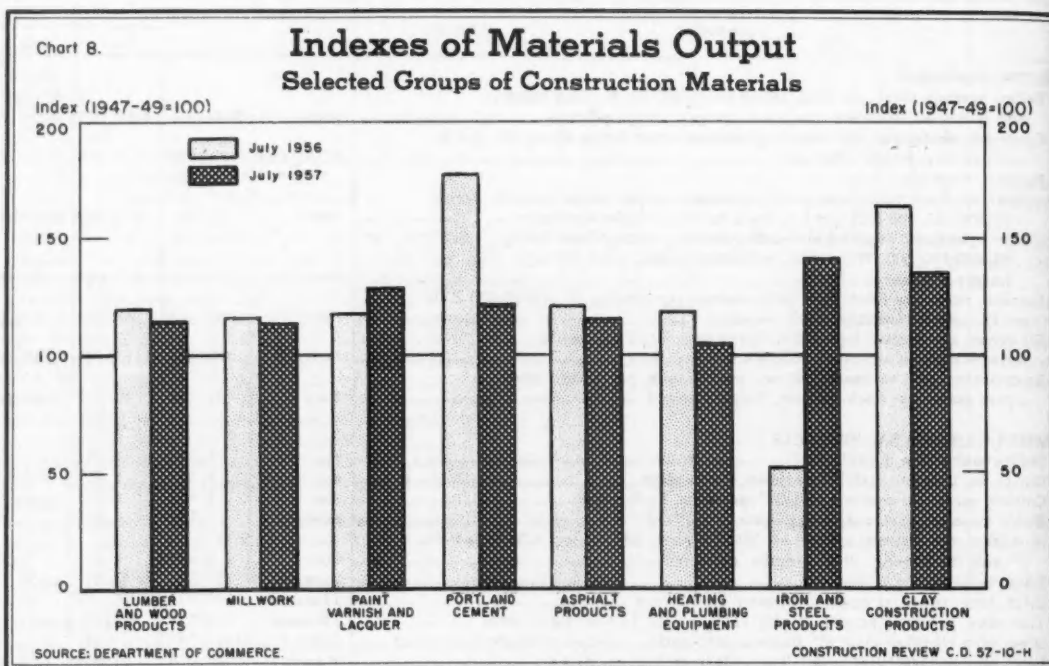


Table F-1: Construction Materials: Indexes of Output

(Monthly average 1947-49=100)

| Materials group                        | Monthly Indexes   |       |                |       |               |       |                |       |               |       |                |       |       |
|--|-------------------|-------|----------------|-------|---------------|-------|----------------|-------|---------------|-------|----------------|-------|-------|
|  | 1956              |       |                |       |               |       | 1957           |       |               |       |                |       |       |
|  | July              | Aug.  | Sept.          | Oct.  | Nov.          | Dec.  | Jan.           | Feb.  | Mar.          | Apr.  | May            | June  | July  |
| Lumber and wood products.....          | 119.8             | 143.1 | 123.6          | 138.4 | 120.5         | 103.1 | 113.8          | 106.1 | 113.8         | 124.8 | 131.2          | 124.6 | 113.8 |
| Millwork.....                          | 115.9             | 159.5 | 136.8          | 145.9 | 122.4         | 96.0  | 107.4          | 116.1 | 113.0         | 120.1 | 116.7          | 139.1 | 113.3 |
| Paint, varnish, & lacquer .....        | 117.5             | 129.8 | 113.6          | 125.5 | 109.8         | 91.3  | 112.6          | 127.4 | 112.0         | 126.5 | 133.1          | 130.4 | 128.6 |
| Portland cement.....                   | 176.5             | 179.8 | 171.3          | 173.8 | 154.8         | 146.1 | 115.6          | 106.6 | 135.4         | 143.4 | 164.4          | 158.3 | 121.4 |
| Asphalt products.....                  | 121.1             | 127.6 | 118.0          | 128.0 | 88.1          | 53.1  | 86.8           | 91.9  | 76.6          | 96.8  | 88.1           | 96.7  | 115.2 |
| Heating and plumbing<br>equipment..... | 118.5             | 156.5 | 158.0          | 158.6 | 113.5         | 89.1  | 103.0          | 101.2 | 105.6         | 113.0 | 106.5          | 105.4 | 104.6 |
| Iron and steel products .....          | 152.1             | 140.2 | 138.2          | 159.2 | 145.5         | 145.1 | 142.6          | 135.2 | 150.8         | 151.5 | 156.5          | 163.0 | 140.9 |
| Clay construction products*.....       | 163.5             | 174.0 | 155.5          | 169.3 | 153.8         | 133.4 | 119.7          | 108.3 | 119.3         | 129.5 | 136.2          | 132.6 | 135.0 |
|  | Quarterly Indexes |       |                |       |               |       |                |       |               |       |                |       |       |
|  | 1956              |       |                |       |               |       |                |       | 1957          |       |                |       |       |
|  | First quarter     |       | Second quarter |       | Third quarter |       | Fourth quarter |       | First quarter |       | Second quarter |       |       |
| Gypsum products.....                   | 187.6             |       | 188.6          |       | 157.3         |       | 145.2          |       | 142.1         |       | 156.2          |       |       |
| Plumbing fixtures.....                 | 140.6             |       | 137.4          |       | 116.8         |       | 96.2           |       | 116.1         |       | 117.1          |       |       |

Source: Table compiled by the Department of Commerce from data reported by various Government agencies and by private firms shown in notes to tables following in Part F.

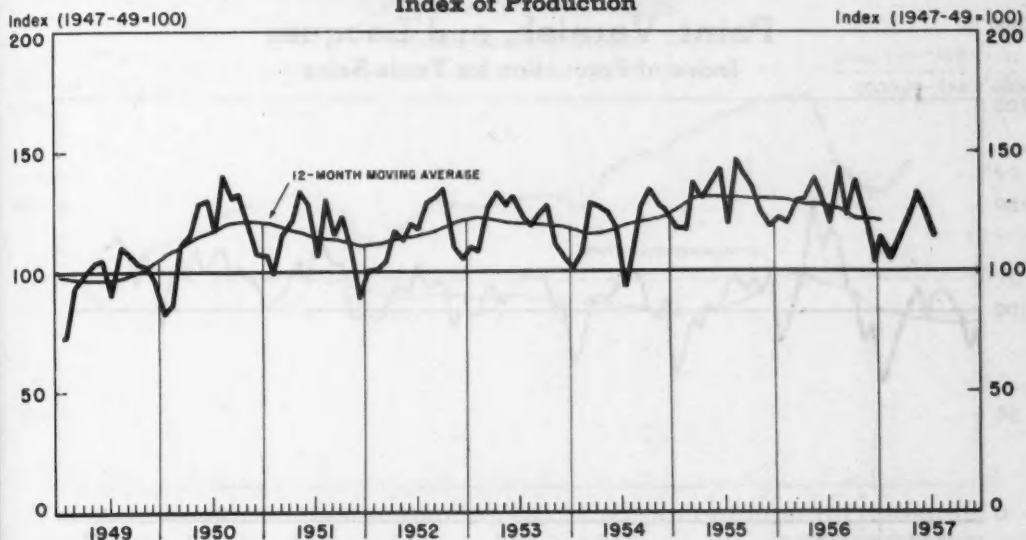
<sup>1</sup> Estimated. See table F-6, footnote 2. \* Revised data for 1954 through 1956, together with a change in the reporting sample in June and July 1957 to make 1957 data comparable with those of the preceding 3 years, have necessitated recomputation of the output indexes for clay construction products. Revised figures for 1954 through 1956 are:

|           | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1954..... | 104.8 | 104.6 | 124.6 | 129.3 | 126.1 | 135.5 | 130.3 | 138.6 | 140.4 | 136.8 | 137.3 | 134.0 |
| 1955..... | 128.0 | 122.5 | 149.2 | 142.5 | 152.8 | 164.8 | 151.6 | 168.2 | 169.6 | 165.9 | 163.9 | 160.0 |
| 1956..... | 153.0 | 145.0 | 164.5 | 154.7 | 164.5 | 165.4 | 163.5 | 174.0 | 155.5 | 169.3 | 153.8 | 133.4 |

Chart 9.

## Lumber and Wood Products

## Index of Production



SOURCE: DEPARTMENT OF COMMERCE.

CONSTRUCTION REVIEW C.D. 57-10-1

Table F-2: Lumber and Wood Products: Production, Shipments, and Stocks

| Period                     | Softwood lumber<br>(Million board feet) |           |         | Hardwood flooring<br>(Thousand board feet) |           |         | Douglas fir<br>plywood<br>(Million<br>square feet) | Insulating<br>boards<br>(Tons) | Hardboard<br>(Tons) |
|----------------------------|---|-----------|---------|--|-----------|---------|--|--------------------------------|---------------------|
|                            | Production                              | Shipments | Stocks* | Production                                 | Shipments | Stocks* | Production   |                                |                     |
| 1947-49 average.....       | 28,048                                  | 27,440    | 4,448   | 812,365                                    | 789,437   | 44,455  | 1,802  | 766,269                        | 294,214             |
| Year: 1954.....            | 29,296                                  | 29,811    | 5,261   | 1,145,118                                  | 1,139,091 | 68,425  | 3,871  | 1,007,653                      | 464,868             |
| 1955.....                  | 31,601                                  | 31,480    | 5,384   | 1,268,104                                  | 1,258,914 | 70,045  | 4,947  | 1,092,890                      | 517,834             |
| 1956.....                  | 30,003                                  | 29,259    | 6,143   | 1,166,446                                  | 1,117,010 | 114,074 | 5,191  | 1,118,907                      | 551,118             |
| 12 months ending:          |   |           |         |  |           |         |  |                                |                     |
| April 1957.....            | 29,285                                  | 28,340    | --      | 1,095,468                                  | 1,055,830 | --      | 5,105  | 1,055,598                      | 539,727             |
| May 1957.....              | 29,049                                  | 28,169    | --      | 1,073,637                                  | 1,039,536 | --      | 5,178  | 1,033,501                      | 544,100             |
| June 1957.....             | 28,827                                  | 28,066    | --      | 1,050,804                                  | 1,019,365 | --      | 5,273  | 1,014,087                      | 551,818             |
| July 1957.....             | 28,622                                  | 27,986    | --      | 1,036,430                                  | 1,006,296 | --      | 5,331  | 993,048                        | 560,141             |
| 1956: July.....            | 2,434                                   | 2,438     | 5,388   | 91,105                                     | 90,591    | 87,593  | 355  | 99,354                         | 44,078              |
| August.....                | 2,880                                   | 2,707     | 5,561   | 106,847                                    | 102,807   | 93,916  | 476  | 101,804                        | 47,548              |
| September.....             | 2,489                                   | 2,300     | 5,730   | 91,030                                     | 88,493    | 95,235  | 412  | 84,494                         | 44,179              |
| October.....               | 2,750                                   | 2,572     | 5,910   | 104,175                                    | 96,829    | 102,681 | 494  | 88,386                         | 46,476              |
| November.....              | 2,368                                   | 2,248     | 6,023   | 90,162                                     | 83,951    | 108,792 | 445  | 74,910                         | 44,824              |
| December.....              | 2,003                                   | 1,883     | 6,143   | 74,585                                     | 69,278    | 114,074 | 397  | 64,464                         | 40,173              |
| 1957: January.....         | 2,159                                   | 2,116     | 6,130   | 91,310                                     | 82,340    | 123,194 | 440  | 85,189                         | 44,006              |
| February.....              | 2,039                                   | 1,951     | 6,218   | 78,167                                     | 72,782    | 128,579 | 405  | 78,768                         | 41,468              |
| March.....                 | 2,253                                   | 2,231     | 6,240   | 76,311                                     | 80,821    | 120,826 | 404  | 81,667                         | 45,758              |
| April.....                 | 2,449                                   | 2,511     | 6,204   | 81,930                                     | 85,457    | 115,712 | 473  | 86,266                         | 45,429              |
| May.....                   | 2,560                                   | 2,609     | 6,163   | 87,060                                     | 87,813    | 113,114 | 505  | 84,107                         | 53,558              |
| June.....                  | 2,443                                   | 2,500     | 6,176   | 78,122                                     | 78,203    | 112,084 | 467  | 84,678                         | 54,321              |
| July.....                  | 2,229                                   | 2,358     | 5,956   | 76,731                                     | 77,522    | 110,120 | 413  | 78,315                         | 52,401              |
| Percent change             |   |           |         |  |           |         |  |                                |                     |
| July, 1956-57.....         | - 8                                     | - 3       | +11     | -16  | -14       | +26     | +16  | -21                            | +19                 |
| First 7 mos., 1956-57..... | - 8                                     | - 7       | --      | -19  | -16       | --      | + 5  | -18                            | + 3                 |

Source: Table compiled by Department of Commerce (BDSA) from data reported by the National Lumber Manufacturers Association, the Douglas Fir Plywood Association, and the Bureau of the Census.

\* As of end of period.

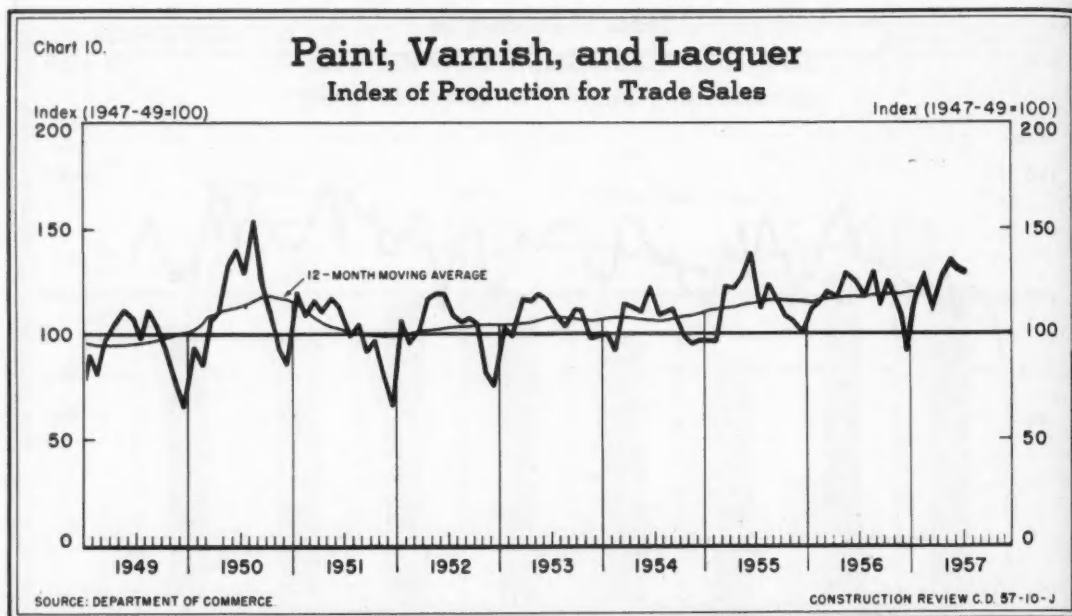


Table F-3: Millwork Products, and Paint, Varnish, and Lacquer: Production

| Period                      | Production<br>(Thousands of units) |                   |        |                    | Production for trade sales<br>(Thousands of gallons) |
|-----------------------------|------------------------------------|-------------------|--------|--------------------|--|
|                             | Ponderosa<br>pine doors            | Hardwood<br>doors | Sash   | Exterior<br>frames | Paint, varnish, & lacquer                            |
| 1947-49 average .....       | 3,780                              | 3,172             | 11,246 | 4,152              | 266,701  |
| Year: 1954 .....            | 2,285                              | 5,940             | 11,054 | 5,791              | 284,458  |
| 1955 .....                  | 2,253                              | 6,786             | 12,733 | 7,259              | 312,416  |
| 1956 .....                  | 2,035                              | 6,404             | 10,551 | 5,679              | 312,543  |
| 12 months ending:           |                                    |                   |        |                    |  |
| April 1957 .....            | 1,994                              | 5,932             | 10,035 | 5,377              | 315,549  |
| May 1957 .....              | 1,982                              | 5,755             | 9,897  | 5,391              | 316,388  |
| June 1957 .....             | 1,983                              | 5,728             | 9,969  | 5,430              | 317,712  |
| July 1957 .....             | 2,012                              | 5,708             | 10,042 | 5,377              | 320,189  |
| 1956: July .....            | 127                                | 445               | 758    | 465                | 26,105   |
| August .....                | 203                                | 559               | 1,222  | 685                | 28,855   |
| September .....             | 170                                | 529               | 1,018  | 479                | 25,259   |
| October .....               | 192                                | 558               | 1,103  | 508                | 27,903   |
| November .....              | 161                                | 513               | 799    | 352                | 24,407   |
| December .....              | 137                                | 410               | 616    | 245                | 20,282   |
| 1957: January .....         | 151                                | 431               | 723    | 337                | 25,028   |
| February .....              | 170                                | 481               | 668    | 350                | 28,314   |
| March .....                 | 163                                | 448               | 666    | 388                | 24,900   |
| April .....                 | 180                                | 452               | 705    | 464                | 28,108   |
| May .....                   | 164                                | 395               | 775    | 549                | 29,577   |
| June .....                  | 165                                | 507               | 916    | 608                | 28,974   |
| July .....                  | 156                                | 425               | 831    | 412                | 28,582   |
| Percent change              |                                    |                   |        |                    |  |
| July, 1956-57 .....         | +23                                | -4                | +10    | -11                | +9   |
| First 7 mos., 1956-57 ..... | -2                                 | -18               | -9     | -9                 | +4   |

Source: Table compiled by Department of Commerce (BDSA) from data reported by the National Wood Work Manufacturers Association (whose data on ponderosa pine and hardwood doors, sash and exterior frames are only from member firms, and are not adjusted to represent full coverage), and the Bureau of the Census.

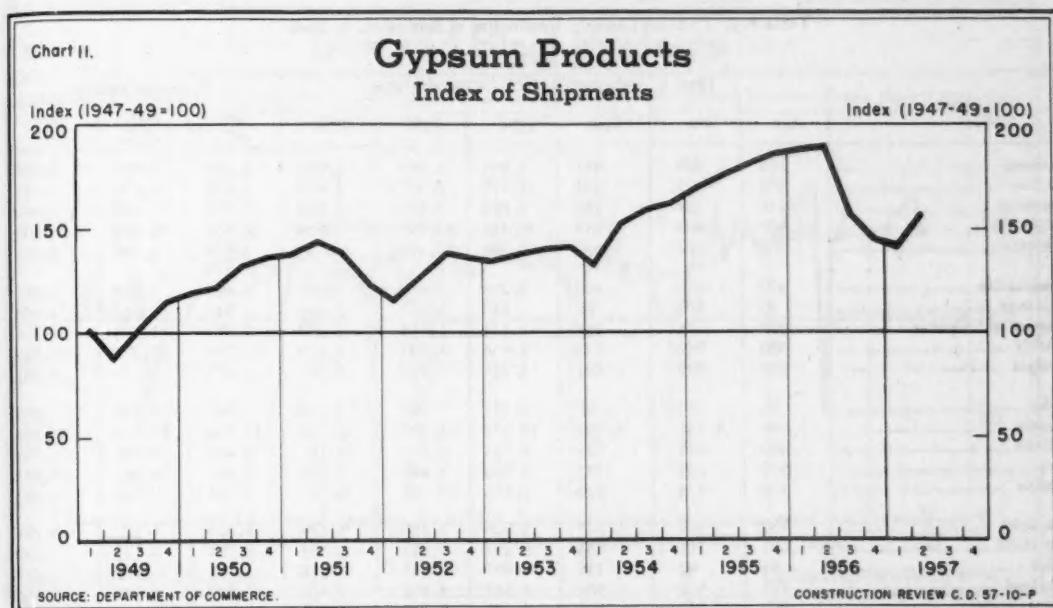


Table F-4: Portland Cement, and Asphalt and Gypsum Products: Production, Shipments, and Stocks

| Period                     | Pro-<br>duction        | Ship-<br>ments | Stocks* | Shipments<br>(Thousands of squares) |                   |   |  | Shipments<br>(Million square feet) |                             |
|----------------------------|------------------------|----------------|---------|-------------------------------------|-------------------|---|--|------------------------------------|-----------------------------|
|                            | (Thousands of barrels) |                |         | Asphalt<br>prepared<br>roofing      | Asphalt<br>siding | Asphalt<br>insulated<br>brick<br>siding | Asphalt<br>and tar<br>saturated<br>felts | Gypsum<br>board <sup>1</sup>       | Gypsum<br>lath <sup>1</sup> |
|                            | Portland cement        |                |         |                                     |                   |   |  |                                    |                             |
| 1947-49 average .....      | 200,607                | 199,306        | 11,922  | 61,252                              | 3,365             | 2,811                                   | 17,087                                   | 2,478                              | 2,075                       |
| Year: 1954 .....           | 271,277                | 274,096        | 16,731  | 59,132                              | 1,428             | 2,297                                   | 28,991                                   | 4,217                              | 2,484                       |
| 1955 .....                 | 296,829                | 296,275        | 17,536  | 62,582                              | 1,288             | 2,194                                   | 34,629                                   | 4,911                              | 2,926                       |
| 1956 .....                 | 316,465                | 311,571        | 22,412  | 59,265                              | 1,235             | 2,053                                   | 30,152                                   | 4,814                              | 2,647                       |
| 12 months ending:          |                        |                |         |                                     |                   |   |  |                                    |                             |
| April 1957.....            | 309,683                | 303,576        | --      | 57,173                              | 1,204             | 1,975                                   | 30,654                                   |                                    |                             |
| May 1957.....              | 307,562                | 300,692        | --      | 55,672                              | 1,191             | 1,948                                   | 30,350                                   |                                    |                             |
| June 1957.....             | 305,253                | 298,154        | --      | 54,473                              | 1,172             | 1,925                                   | 29,861                                   | 4,353                              | 2,205                       |
| July 1957.....             | 296,042                | 292,383        | --      | 54,106                              | 1,152             | 1,902                                   | 29,906                                   |                                    |                             |
| 1956: July.....            | 29,498                 | 31,598         | 20,585  | 5,800                               | 101               | 206                                     | 2,844                                    | 1,124                              | 602                         |
| August.....                | 30,055                 | 33,607         | 17,406  | 6,166                               | 117               | 244                                     | 2,804                                    |                                    |                             |
| September.....             | 28,643                 | 30,175         | 15,538  | 5,724                               | 125               | 210                                     | 2,608                                    |                                    |                             |
| October.....               | 29,051                 | 31,587         | 12,996  | 6,161                               | 148               | 236                                     | 2,839                                    | 1,055                              | 530                         |
| November.....              | 25,874                 | 22,906         | 15,975  | 4,011                               | 124               | 142                                     | 2,315                                    |                                    |                             |
| December.....              | 24,429                 | 17,990         | 22,412  | 2,227                               | 68                | 72                                      | 1,717                                    |                                    |                             |
| 1957: January.....         | 19,320                 | 11,927         | 29,833  | 3,895                               | 103               | 84                                      | 2,609                                    | 1,047                              | 497                         |
| February.....              | 17,827                 | 15,274         | 32,381  | 4,142                               | 91                | 117                                     | 2,648                                    |                                    |                             |
| March.....                 | 22,642                 | 20,757         | 34,267  | 3,342                               | 74                | 123                                     | 2,246                                    |                                    |                             |
| April.....                 | 23,967                 | 23,351         | 34,893  | 4,449                               | 80                | 142                                     | 2,617                                    | 1,130                              | 577                         |
| May.....                   | 27,485                 | 29,203         | 33,175  | 3,998                               | 65                | 175                                     | 2,273                                    |                                    |                             |
| June.....                  | 26,462                 | 29,758         | 29,885  | 4,558                               | 76                | 174                                     | 2,341                                    |                                    |                             |
| July.....                  | 20,287                 | 25,827         | 24,345  | 5,433                               | 81                | 183                                     | 2,889                                    |                                    |                             |
| Percent change             |                        |                |         |                                     |                   |   |  |                                    |                             |
| July, 1956-57.....         | -31                    | -18            | +18     | - 6                                 | -20               | -11                                     | + 2                                      | 2-13                               | 2-28                        |
| First 7 mos., 1956-57..... | -11                    | -11            | --      | -14                                 | -12               | -13                                     | - 1                                      | 3-17                               | 3-29                        |

Source: Table compiled by Department of Commerce (BDCA) from data reported by the Department of Interior (Bureau of Mines), and the Bureau of the Census.

\* As of end of period.

<sup>1</sup> Data reported on quarterly basis.

<sup>2</sup> Second quarter, 1956-57.

<sup>3</sup> First

6 months, 1956-57.

## CONSTRUCTION REVIEW

Table F-5: Portland Cement: Destination of Shipments, by State

| State                      | (Thousands of barrels) |       |       |               |        |        |                    |          |           |
|----------------------------|------------------------|-------|-------|---------------|--------|--------|--------------------|----------|-----------|
|                            | 1957                   |       |       | Calendar year |        |        | 12 months ending-- |          |           |
|                            | Apr.                   | May   | June  | 1954          | 1955   | 1956   | Apr. 1957          | May 1957 | June 1957 |
| Alabama .....              | 459                    | 469   | 451   | 3,943         | 3,949  | 4,935  | 4,893              | 4,907    | 4,919     |
| Arizona .....              | 231                    | 231   | 221   | 2,215         | 2,337  | 2,621  | 2,682              | 2,676    | 2,641     |
| Arkansas .....             | 116                    | 159   | 166   | 1,894         | 2,519  | 1,841  | 1,732              | 1,690    | 1,660     |
| California .....           | 2,891                  | 2,873 | 2,812 | 28,528        | 31,553 | 35,854 | 34,565             | 34,244   | 33,938    |
| Colorado .....             | 235                    | 361   | 446   | 3,285         | 3,486  | 3,703  | 3,628              | 3,598    | 3,650     |
| Connecticut .....          | 492                    | 610   | 655   | 3,258         | 3,380  | 4,325  | 4,689              | 4,820    | 4,985     |
| Delaware .....             | 90                     | 103   | 87    | 910           | 1,097  | 1,086  | 1,041              | 1,039    | 1,010     |
| District of Columbia ..... | 129                    | 75    | 121   | 1,324         | 1,395  | 1,327  | 1,353              | 1,294    | 1,256     |
| Florida .....              | 980                    | 968   | 773   | 8,354         | 8,997  | 9,499  | 10,094             | 10,277   | 10,340    |
| Georgia .....              | 458                    | 509   | 491   | 4,441         | 5,198  | 5,381  | 5,172              | 5,225    | 5,262     |
| Idaho .....                | 96                     | 94    | 97    | 1,215         | 923    | 1,074  | 1,047              | 1,019    | 988       |
| Illinois .....             | 1,106                  | 1,531 | 1,782 | 14,973        | 14,670 | 16,719 | 15,764             | 15,534   | 15,468    |
| Indiana .....              | 489                    | 681   | 729   | 6,724         | 8,073  | 9,181  | 8,495              | 7,986    | 7,570     |
| Iowa .....                 | 500                    | 633   | 735   | 5,863         | 5,883  | 6,774  | 6,362              | 6,063    | 5,877     |
| Kansas .....               | 378                    | 424   | 523   | 6,576         | 7,248  | 6,963  | 6,126              | 5,748    | 5,507     |
| Kentucky .....             | 236                    | 360   | 375   | 3,026         | 3,636  | 3,509  | 3,316              | 3,317    | 3,285     |
| Louisiana .....            | 681                    | 715   | 633   | 6,292         | 7,347  | 8,303  | 8,219              | 8,123    | 7,987     |
| Maine .....                | 54                     | 92    | 136   | 857           | 961    | 978    | 986                | 958      | 937       |
| Maryland .....             | 427                    | 562   | 586   | 4,447         | 4,882  | 5,764  | 5,607              | 5,520    | 5,462     |
| Massachusetts .....        | 439                    | 597   | 545   | 4,180         | 5,239  | 5,848  | 5,849              | 5,710    | 5,601     |
| Michigan .....             | 978                    | 1,577 | 1,707 | 13,076        | 13,991 | 16,215 | 15,427             | 15,383   | 15,125    |
| Minnesota .....            | 388                    | 617   | 666   | 5,500         | 5,838  | 5,515  | 5,122              | 5,080    | 5,101     |
| Mississippi .....          | 172                    | 171   | 209   | 1,732         | 1,972  | 1,977  | 1,959              | 1,936    | 1,950     |
| Missouri .....             | 501                    | 611   | 755   | 7,556         | 7,824  | 7,646  | 7,133              | 6,962    | 6,907     |
| Montana .....              | 125                    | 149   | 157   | 1,019         | 951    | 1,405  | 1,441              | 1,434    | 1,423     |
| Nebraska .....             | 218                    | 243   | 259   | 3,724         | 3,485  | 3,352  | 3,138              | 2,955    | 2,793     |
| Nevada .....               | 62                     | 60    | 45    | 842           | 737    | 616    | 580                | 578      | 566       |
| New Hampshire .....        | 55                     | 71    | 71    | 827           | 1,147  | 926    | 939                | 847      | 764       |
| New Jersey .....           | 660                    | 912   | 833   | 9,164         | 9,337  | 9,428  | 9,289              | 9,180    | 9,062     |
| New Mexico .....           | 199                    | 190   | 204   | 2,111         | 1,996  | 2,086  | 2,117              | 2,095    | 2,103     |
| New York .....             | 1,603                  | 2,372 | 2,321 | 20,290        | 19,399 | 20,400 | 20,639             | 20,802   | 20,805    |
| North Carolina .....       | 406                    | 462   | 426   | 4,009         | 4,414  | 4,384  | 4,433              | 4,486    | 4,499     |
| North Dakota .....         | 67                     | 117   | 185   | 1,161         | 1,150  | 1,294  | 1,182              | 1,137    | 1,172     |
| Ohio .....                 | 1,115                  | 1,794 | 1,782 | 16,003        | 17,320 | 17,554 | 17,085             | 17,290   | 17,294    |
| Oklahoma .....             | 312                    | 372   | 455   | 4,364         | 4,785  | 4,815  | 4,581              | 4,501    | 4,558     |
| Oregon .....               | 221                    | 226   | 245   | 2,081         | 2,398  | 2,565  | 2,575              | 2,537    | 2,533     |
| Pennsylvania .....         | 1,051                  | 1,603 | 1,551 | 15,108        | 16,077 | 15,445 | 15,488             | 15,517   | 15,344    |
| Rhode Island .....         | 60                     | 79    | 99    | 685           | 822    | 819    | 805                | 776      | 787       |
| South Carolina .....       | 173                    | 195   | 178   | 1,993         | 2,461  | 2,359  | 2,238              | 2,196    | 2,163     |
| South Dakota .....         | 81                     | 121   | 129   | 1,116         | 1,221  | 1,374  | 1,374              | 1,361    | 1,302     |
| Tennessee .....            | 387                    | 434   | 422   | 4,683         | 5,088  | 4,843  | 4,629              | 4,589    | 4,601     |
| Texas .....                | 1,470                  | 1,682 | 1,653 | 19,081        | 20,781 | 20,953 | 20,027             | 19,717   | 19,531    |
| Utah .....                 | 163                    | 181   | 187   | 1,508         | 1,835  | 2,010  | 1,984              | 1,946    | 1,924     |
| Vermont .....              | 33                     | 32    | 41    | 242           | 294    | 334    | 355                | 346      | 340       |
| Virginia .....             | 520                    | 599   | 573   | 4,474         | 4,801  | 5,419  | 5,475              | 5,508    | 5,511     |
| Washington .....           | 456                    | 498   | 501   | 5,684         | 5,656  | 4,677  | 4,622              | 4,601    | 4,643     |
| West Virginia .....        | 177                    | 226   | 222   | 2,379         | 2,053  | 1,937  | 2,030              | 2,054    | 2,065     |
| Wisconsin .....            | 457                    | 712   | 765   | 5,840         | 5,977  | 6,768  | 6,474              | 6,403    | 6,363     |
| Wyoming .....              | 51                     | 66    | 78    | 585           | 578    | 655    | 640                | 631      | 634       |

Source: Table compiled by Department of Commerce from data reported by Department of Interior (Bureau of Mines).



Chart 12.

# Iron and Steel Products

## Index of Shipments

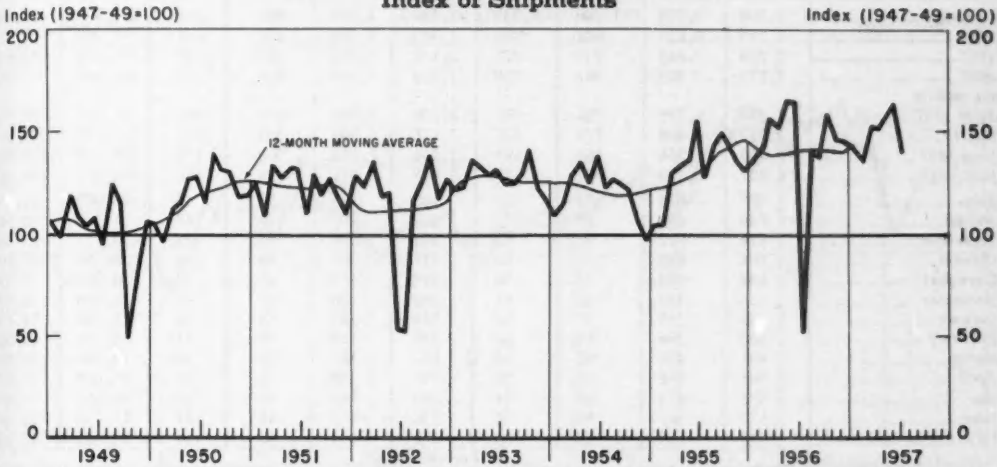


Table F-6: Iron and Steel Products: Shipments, Bookings, and Backlog

(Thousands of tons)

| Period                      | Shipments      |                           |                   |       |        |       |                |      | Shipments                   | Bookings | Backlog <sup>1</sup> |                     |
|-----------------------------|----------------|---------------------------|-------------------|-------|--------|-------|----------------|------|-----------------------------|----------|----------------------|---------------------|
|                             | Line pipe      | Concrete reinforcing bars | Galvanized sheets | Nails | Piling | Rails | Cast-iron pipe |      |                             |          |                      | Rigid steel conduit |
|                             |                |                           |                   |       |        |       | Pressure       | Soil | Fabricated structural steel |          |                      |                     |
| 1947-49 average .....       | 1,975          | 1,523                     | 1,669             | 797   | 309    | 2,167 | 1,075          | 604  | 226                         | 2,248    | 2,105                | --                  |
| Year: 1954 .....            | 2,595          | 1,751                     | 2,363             | 567   | 388    | 1,196 | 1,376          | 744  | 227                         | 3,136    | 2,510                | 743                 |
| 1955 .....                  | 3,083          | 2,163                     | 2,865             | 651   | 391    | 1,233 | 1,682          | 869  | 280                         | 2,981    | 3,693                | 1,029               |
| 1956 .....                  | 3,377          | 2,518                     | 2,958             | 559   | 433    | 1,300 | 1,745          | 817  | 359                         | 3,205    | 4,012                | 1,313               |
| 12 months ending:           |                |                           |                   |       |        |       |                |      |                             |          |                      |                     |
| April 1957 .....            | 3,628          | 2,632                     | 2,705             | 513   | 501    | 1,313 | 1,624          | 777  | 360                         | 3,231    | 3,744                | --                  |
| May 1957 .....              | 3,653          | 2,590                     | 2,639             | 500   | 510    | 1,343 | 1,594          | 767  | 350                         | 3,255    | 3,678                | --                  |
| June 1957 .....             | 3,691          | 2,548                     | 2,599             | 487   | 521    | 1,363 | 1,555          | 764  | 342                         | 3,299    | 3,561                | --                  |
| July 1957 .....             | (2)            | (2)                       | (2)               | (2)   | (2)    | (2)   | 1,517          | 758  | 352                         | 3,438    | 3,476                | --                  |
| 1956: July .....            | (2)            | (2)                       | (2)               | (2)   | (2)    | (2)   | 145            | 66   | 36                          | 165      | 288                  | 1,227               |
| August .....                | 2,286          | 2,238                     | 2,276             | 54    | 233    | 267   | 180            | 80   | 28                          | 213      | 268                  | 1,191               |
| September .....             | 241            | 234                       | 257               | 55    | 45     | 128   | 151            | 66   | 24                          | 241      | 246                  | 1,226               |
| October .....               | 333            | 250                       | 279               | 52    | 47     | 131   | 171            | 71   | 27                          | 288      | 291                  | 1,239               |
| November .....              | 322            | 250                       | 255               | 36    | 47     | 118   | 116            | 60   | 27                          | 276      | 339                  | 1,267               |
| December .....              | 331            | 240                       | 239               | 29    | 49     | 131   | 92             | 54   | 27                          | 298      | 404                  | 1,313               |
| 1957: January .....         | 361            | 224                       | 236               | 42    | 41     | 133   | 101            | 57   | 27                          | 262      | 298                  | 1,332               |
| February .....              | 304            | 235                       | 205               | 35    | 51     | 117   | 89             | 48   | 28                          | 278      | 266                  | 1,321               |
| March .....                 | 370            | 240                       | 207               | 42    | 54     | 132   | 108            | 59   | 33                          | 305      | 289                  | 1,289               |
| April .....                 | 381            | 216                       | 199               | 40    | 56     | 136   | 129            | 63   | 22                          | 314      | 360                  | 1,311               |
| May .....                   | 392            | 188                       | 207               | 43    | 46     | 144   | 142            | 69   | 25                          | 330      | 292                  | 1,350               |
| June .....                  | 370            | 233                       | 239               | 59    | 52     | 126   | 131            | 71   | 38                          | 329      | 220                  | 1,277               |
| July .....                  | 352            | 172                       | 167               | 31    | 52     | 115   | 107            | 60   | 46                          | 304      | 203                  | 1,335               |
|                             | Percent change |                           |                   |       |        |       |                |      |                             |          |                      |                     |
| July, 1956-57 .....         | --             | --                        | --                | --    | --     | --    | -26            | -9   | +28                         | +83      | -30                  | +9                  |
| First 7 mos., 1956-57 ..... | --             | --                        | --                | --    | --     | --    | -22            | -12  | -2                          | +12      | -22                  | --                  |

Source: Table compiled by the Department of Commerce (BDSA) from data reported by the American Iron and Steel Institute, the National Electric Manufacturers Association, the American Institute of Steel Construction, and the Bureau of the Census. <sup>1</sup> Scheduled for fabrication in the next 4 months.

<sup>2</sup> July 1956 data not available separately. The figures given here for August 1956 were reported as July-August totals by the American Iron and Steel Institute because the steel industry was shut down by work stoppages in effect during July 1956.

## CONSTRUCTION REVIEW

Table F-7: Clay Construction Products: Production and Shipments\*

| Period                      | Brick, common and face<br>(Million brick) |           | Structural clay tile<br>(Thousand tons) |           | Vitrified clay sewer pipe<br>(Thousand tons) |           | Hollow facing tile<br>(Million brick equivalent) |           | Glazed & unglazed floor & wall tile<br>(Thousand square feet) |           |
|-----------------------------|---|-----------|---|-----------|--|-----------|--|-----------|---|-----------|
|                             | Production                                | Shipments | Production                              | Shipments | Production                                   | Shipments | Production                                       | Shipments | Production  | Shipments |
| 1947-49 average .....       | 5,504                                     | 5,324     | 1,286                                   | 1,231     | 1,451  | 1,375     | 357  | 341       | 104,800   | 101,088   |
| Year: 1954 .....            | 6,720                                     | 6,657     | 981                                     | 908       | 1,763  | 1,703     | 481  | 464       | 177,988   | 176,253   |
| 1955 .....                  | 7,790                                     | 7,643     | 935                                     | 929       | 2,112  | 2,056     | 540  | 528       | 233,001   | 232,802   |
| 1956 .....                  | 7,975                                     | 7,295     | 862                                     | 750       | 2,154  | 2,039     | 576  | 535       | 245,996   | 227,369   |
| 12 months ending:           |   |           |   |           |  |           |  |           |   |           |
| April 1957 .....            | 7,356                                     | 6,795     | 790                                     | 705       | 2,105  | 1,907     | 522  | 487       | 221,535   | 206,667   |
| May 1957 .....              | 7,217                                     | 6,688     | 775                                     | 690       | 2,126  | 1,907     | 509  | 479       | 215,231   | 202,305   |
| June 1957 .....             | 7,090                                     | 6,566     | 766                                     | 681       | 2,096  | 1,858     | 503  | 474       | 209,179   | 198,804   |
| July 1957 .....             | 6,977                                     | 6,512     | 756                                     | 675       | 2,065  | 1,816     | 497  | 471       | 204,575   | 195,304   |
| 1956: July .....            | 706                                       | 674       | 72                                      | 63        | 185  | 195       | 52   | 47        | 20,069  | 19,439    |
| August .....                | 746                                       | 699       | 77                                      | 71        | 209  | 206       | 49   | 48        | 21,312  | 20,564    |
| September .....             | 658                                       | 622       | 72                                      | 62        | 191  | 186       | 46   | 42        | 18,901  | 17,844    |
| October .....               | 704                                       | 655       | 71                                      | 68        | 211  | 205       | 48   | 47        | 21,431  | 18,904    |
| November .....              | 639                                       | 563       | 71                                      | 58        | 198  | 157       | 42   | 39        | 18,943  | 17,530    |
| December .....              | 536                                       | 433       | 62                                      | 51        | 180  | 120       | 41   | 33        | 16,308  | 13,936    |
| 1957: January .....         | 459                                       | 329       | 57                                      | 48        | 164  | 107       | 38   | 34        | 15,449  | 14,422    |
| February .....              | 420                                       | 388       | 53                                      | 46        | 146  | 110       | 36   | 33        | 13,726  | 12,602    |
| March .....                 | 491                                       | 476       | 61                                      | 54        | 152  | 132       | 33   | 34        | 14,810  | 15,048    |
| April .....                 | 561                                       | 548       | 55                                      | 50        | 151  | 138       | 38   | 37        | 15,663  | 15,873    |
| May .....                   | 592                                       | 613       | 57                                      | 54        | 160  | 151       | 39   | 39        | 16,517  | 16,485    |
| June .....                  | 577                                       | 567       | 58                                      | 56        | 150  | 152       | 41   | 41        | 16,050  | 16,157    |
| July .....                  | 593                                       | 619       | 62                                      | 58        | 154  | 154       | 45   | 44        | 15,465  | 15,939    |
| Percent change              |   |           |   |           |  |           |  |           |   |           |
| July, 1956-57 .....         | -16                                       | -8        | -14                                     | -8        | -17  | -21       | -12  | -7        | -23   | -18       |
| First 7 mos., 1956-57 ..... | -21                                       | -18       | -21                                     | -17       | -8   | -19       | -23  | -20       | -28   | -23       |

Source: Table compiled by Department of Commerce (BDSD) from data reported by the Bureau of the Census.  
1955. See asterisk note to table F-1.

\* Data revised from

Table F-8: Clay Construction Products: Production and Shipments, by Census Region<sup>1</sup>

| Census region                      | PRODUCTION |                        | SHIPMENTS |                        |
|------------------------------------|------------|------------------------|-----------|------------------------|
|                                    | July 1957  | June 1957 <sup>2</sup> | July 1957 | June 1957 <sup>2</sup> |
| Brick, common and face (thousands) |            |                        |           |                        |
| U. S. TOTAL .....                  | 593,044    | 577,448                | 619,303   | 567,339                |
| New England .....                  | 15,346     | 17,853                 | 13,707    | 12,525                 |
| Middle Atlantic .....              | 84,313     | 96,558                 | 95,622    | 101,579                |
| East North Central .....           | 127,802    | 128,526                | 141,329   | 128,186                |
| West North Central .....           | 31,493     | 30,617                 | 31,150    | 29,753                 |
| South Atlantic .....               | 136,872    | 128,377                | 139,887   | 126,972                |
| East South Central .....           | 64,717     | 57,363                 | 74,241    | 56,654                 |
| West South Central .....           | 65,562     | 56,215                 | 67,921    | 55,895                 |
| Mountain .....                     | 27,486     | 26,188                 | 26,082    | 28,424                 |
| Pacific .....                      | 39,453     | 35,751                 | 29,364    | 27,351                 |
| Structural clay tile (tons)        |            |                        |           |                        |
| U. S. TOTAL .....                  | 62,183     | 58,258                 | 57,873    | 56,386                 |
| Middle Atlantic .....              | 7,717      | 6,274                  | 7,607     | 8,194                  |
| East North Central .....           | 6,141      | 6,223                  | 5,533     | 5,831                  |
| West North Central .....           | 10,995     | 10,733                 | 8,552     | 9,196                  |
| South Atlantic .....               | 12,838     | 12,483                 | 12,536    | 12,082                 |
| East South Central .....           | 1,393      | 2,173                  | 1,290     | 1,708                  |
| West South Central .....           | 20,250     | 18,684                 | 20,091    | 17,434                 |
| Mountain & Pacific .....           | 2,849      | 1,688                  | 2,264     | 1,941                  |
| Vitrified clay sewer pipe (tons)   |            |                        |           |                        |
| U. S. TOTAL .....                  | 153,639    | 149,829                | 153,730   | 151,929                |
| Middle Atlantic .....              | 16,385     | 14,454                 | 15,743    | 13,254                 |
| East North Central .....           | 58,727     | 57,513                 | 63,590    | 61,264                 |
| West North Central .....           | 18,567     | 14,472                 | 18,970    | 17,007                 |
| South Atlantic .....               | 9,227      | 15,315                 | 9,296     | 14,684                 |
| E. & W. South Central .....        | 22,737     | 18,345                 | 21,750    | 16,344                 |
| Mountain .....                     | 4,338      | 4,038                  | 3,841     | 3,936                  |
| Pacific .....                      | 23,658     | 25,692                 | 20,540    | 25,440                 |

Source: Table compiled by Department of Commerce (BDSD) from data reported by the Bureau of the Census.  
1 Composition of regions, and nonfarm population distribution by region, are shown below table A-2. <sup>2</sup> Revised. NOTE: Changes in the reporting sample used by the Bureau of the Census in arriving at national estimates make geographic data for the months prior to June 1957 not comparable with subsequent figures. Cumulative data and comparisons with the same month a year ago, as presented in previous issues of Construction Review, will not become available until late in 1958.

Chart 13.

## Clay Construction Products

Index of Production

Index (1947-49=100)

Index (1947-49=100)

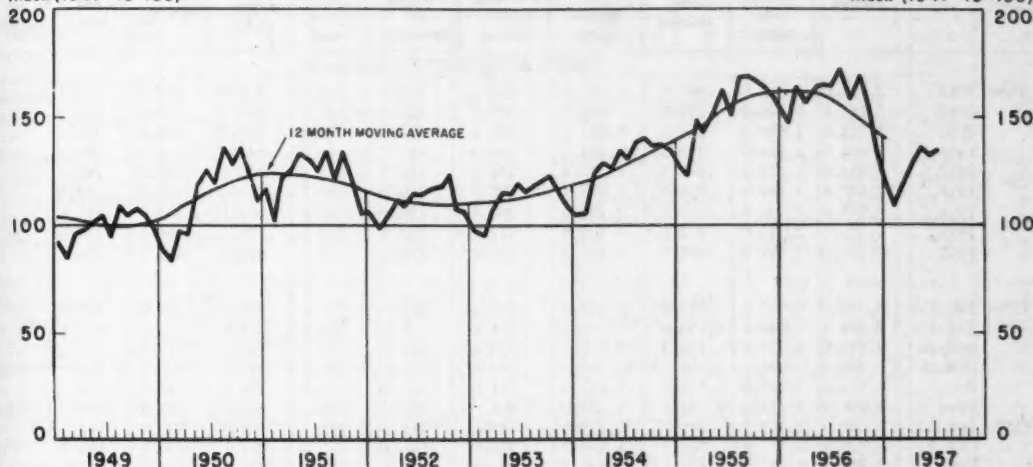


Table F-9: Heating and Plumbing Equipment: Shipments and Stocks

| Period                      | Gas water heaters<br>(Thousands of units) |         | C. I. convectors and radiators<br>(Thousand square feet) |         | Warm air furnaces<br>(Thousands of units) |         | Floor and wall furnaces<br>(Thousands of units) |         | Residential oil burners <sup>1</sup><br>(Thousands of units) |
|-----------------------------|---|---------|--|---------|---|---------|---|---------|--|
|                             | Shipments                                 | Stocks* | Shipments  | Stocks* | Shipments                                 | Stocks* | Shipments                                       | Stocks* |  |
| 1947-49 average .....       | 1,818                                     | 67      | 50,980   | 4,377   | 794                                       | 69      | 552   | 44      | 541  |
| Year: 1954 .....            | 2,445                                     | 103     | 28,941   | 5,434   | 1,035                                     | 130     | 610   | 74      | 516  |
| 1955 .....                  | 2,633                                     | 108     | 28,518   | 4,834   | 1,405                                     | 191     | 615   | 70      | 650  |
| 1956 .....                  | 2,666                                     | 90      | 27,259   | 3,878   | 1,265                                     | 192     | 469   | 68      | 456  |
| 12 months ending:           |   |         |  |         |   |         |   |         |  |
| April 1957 .....            | 2,578                                     | --      | 26,338   | --      | 1,221                                     | --      | 458   | --      | 450  |
| May 1957 .....              | 2,575                                     | --      | 26,268   | --      | 1,201                                     | --      | 450   | --      | 448  |
| June 1957 .....             | 2,544                                     | --      | 26,175   | --      | 1,182                                     | --      | 445   | --      | 443  |
| July 1957 .....             | 2,505                                     | --      | 25,985   | --      | 1,156                                     | --      | 438   | --      | 441  |
| 1956: July .....            | 227                                       | 92      | 1,959  | 6,626   | 112                                       | 247     | 39  | 79      | 36   |
| August .....                | 238                                       | 88      | 2,996  | 5,977   | 160                                       | 221     | 48  | 76      | 50   |
| September .....             | 217                                       | 99      | 3,089  | 5,277   | 155                                       | 203     | 54  | 65      | 56   |
| October .....               | 226                                       | 90      | 3,719  | 4,263   | 133                                       | 198     | 60  | 60      | 62   |
| November .....              | 182                                       | 82      | 2,589  | 4,074   | 100                                       | 189     | 43  | 62      | 38   |
| December .....              | 153                                       | 90      | 1,756  | 3,878   | 71  | 192     | 28  | 68      | 24   |
| 1957: January .....         | 210                                       | 76      | 1,712  | 4,139   | 76  | 195     | 30  | 67      | 30   |
| February .....              | 202                                       | 78      | 1,797  | 4,362   | 67  | 207     | 31  | 60      | 27   |
| March .....                 | 222                                       | 62      | 1,803  | 4,750   | 75  | 214     | 27  | 63      | 26   |
| April .....                 | 233                                       | 59      | 1,723  | 4,887   | 74  | 228     | 29  | 61      | 30   |
| May .....                   | 228                                       | 61      | 1,507  | 5,435   | 74  | 235     | 26  | 63      | 30   |
| June .....                  | 206                                       | 90      | 1,525  | 5,163   | 85  | 232     | 30  | 63      | 34   |
| July .....                  | 188                                       | 89      | 1,769  | 4,745   | 86  | 229     | 32  | 69      | 34   |
| Percent change              |   |         |  |         |   |         |   |         |  |
| July, 1956-57 .....         | -17                                       | -3      | -10  | -28     | -23                                       | -7      | -18   | -13     | -6   |
| First 7 mos., 1956-57 ..... | -10                                       | --      | -10  | --      | -17                                       | --      | -13   | --      | -7   |

Source: Table compiled by Department of Commerce (BDSA) from data reported by the Bureau of the Census.

\* As of end of period.

<sup>1</sup> Sold separately.

NOTE: Table F-10, Imports and Exports of Selected Construction Materials is shown quarterly in the February, May, August, and November issues.)

## Part G—Employment

Table G-1: Contract Construction: Employment by Type of Contractor

| Period                             | All contractors | Building contractors     |                     |                            |                      |                         |                 |              | Nonbuilding contractors |                    |                    |
|------------------------------------|-----------------|--------------------------|---------------------|----------------------------|----------------------|-------------------------|-----------------|--------------|-------------------------|--------------------|--------------------|
|                                    |                 | All building contractors | General contractors | Special trades contractors |                      |                         |                 |              | All non-building        | Highway and street | Other non-building |
|                                    |                 |                          |                     | All special trades         | Plumbing and heating | Painting and decorating | Electrical work | Other trades |                         |                    |                    |
| NUMBER OF EMPLOYEES (in thousands) |                 |                          |                     |                            |                      |                         |                 |              |                         |                    |                    |
| Year: 1948.....                    | 2,169.0         | 1,753.0                  | 807.0               | 946.0                      | 238.2                | 124.9                   | 123.2           | 459.8        | 416.0                   | 172.1              | 243.8              |
| 1949.....                          | 2,165.0         | 1,736.0                  | 779.0               | 957.0                      | 241.7                | 123.4                   | 122.1           | 469.5        | 428.0                   | 178.1              | 250.3              |
| 1950.....                          | 2,333.0         | 1,885.0                  | 844.0               | 1,041.0                    | 263.1                | 130.8                   | 123.4           | 524.0        | 448.0                   | 183.0              | 265.2              |
| 1951.....                          | 2,603.0         | 2,109.0                  | 957.6               | 1,151.7                    | 286.9                | 155.7                   | 140.5           | 568.7        | 493.0                   | 201.3              | 291.9              |
| 1952.....                          | 2,634.0         | 2,119.0                  | 948.3               | 1,170.8                    | 287.7                | 156.5                   | 155.7           | 570.9        | 514.0                   | 209.4              | 305.0              |
| 1953.....                          | 2,622.0         | 2,109.0                  | 934.0               | 1,175.1                    | 288.9                | 148.1                   | 159.7           | 578.4        | 513.0                   | 214.9              | 297.8              |
| 1954.....                          | 2,593.0         | 2,090.0                  | 885.7               | 1,204.0                    | 295.7                | 143.8                   | 164.4           | 600.1        | 503.0                   | 217.4              | 285.6              |
| 1955.....                          | 2,759.0         | 2,243.0                  | 922.6               | 1,320.8                    | 317.0                | 162.3                   | 168.4           | 673.1        | 516.0                   | 232.4              | 284.0              |
| 1956.....                          | 2,993.0         | 2,387.0                  | 995.1               | 1,391.8                    | 334.0                | 179.5                   | 198.1           | 680.2        | 606.0                   | 263.3              | 342.6              |
| 1956: July .....                   | 3,256.0         | 2,551.0                  | 1,087.8             | 1,463.2                    | 346.4                | 202.3                   | 205.8           | 708.7        | 705.0                   | 323.9              | 381.1              |
| Aug. ....                          | 3,361.0         | 2,639.0                  | 1,130.0             | 1,509.3                    | 351.8                | 217.8                   | 213.8           | 725.9        | 722.0                   | 329.1              | 392.9              |
| Sept. ....                         | 3,342.0         | 2,627.0                  | 1,116.5             | 1,510.9                    | 355.2                | 214.0                   | 221.2           | 720.5        | 715.0                   | 324.2              | 391.2              |
| Oct. ....                          | 3,296.0         | 2,598.0                  | 1,099.1             | 1,498.7                    | 355.9                | 203.8                   | 226.4           | 712.6        | 698.0                   | 309.7              | 388.5              |
| Nov. ....                          | 3,174.0         | 2,527.0                  | 1,054.7             | 1,472.5                    | 351.1                | 192.0                   | 226.4           | 703.0        | 647.0                   | 274.1              | 372.8              |
| Dec. ....                          | 2,997.0         | 2,417.0                  | 1,001.6             | 1,415.5                    | 345.7                | 176.4                   | 228.7           | 664.7        | 580.0                   | 233.3              | 346.9              |
| 1957: Jan. ....                    | 2,667.0         | 2,165.0                  | 885.7               | 1,279.5                    | 335.1                | 151.5                   | 223.2           | 569.7        | 532.0                   | 191.5              | 310.4              |
| Feb. ....                          | 2,673.0         | 2,177.0                  | 878.2               | 1,298.5                    | 331.5                | 148.9                   | 221.0           | 597.1        | 496.0                   | 184.9              | 310.6              |
| Mar. ....                          | 2,756.0         | 2,242.0                  | 898.7               | 1,343.3                    | 331.8                | 159.0                   | 219.5           | 633.0        | 514.0                   | 199.9              | 314.1              |
| Apr. ....                          | 2,906.0         | 2,334.0                  | 944.6               | 1,389.5                    | 334.6                | 176.5                   | 218.2           | 660.2        | 572.0                   | 237.3              | 334.7              |
| May ....                           | 3,082.0         | 2,419.0                  | 977.5               | 1,441.1                    | 333.7                | 190.5                   | 223.5           | 693.4        | 663.0                   | 296.2              | 366.8              |
| June ....                          | 3,232.0         | 2,518.0                  | 1,005.5             | 1,512.5                    | 342.7                | 205.2                   | 237.2           | 727.4        | 714.0                   | 321.5              | 392.0              |
| July. ....                         | 3,280.0         | 2,550.0                  | 1,044.7             | 1,505.7                    | 330.8                | 224.7                   | 245.2           | 705.0        | 730.0                   | 332.6              | 397.8              |
| Aug. ....                          | *3,299.0        | (1)                      | (1)                 | (1)                        | (1)                  | (1)                     | (1)             | (1)          | (1)                     | (1)                | (1)                |
| Percent change                     |                 |                          |                     |                            |                      |                         |                 |              |                         |                    |                    |
| June-July, 1957                    | +1.5            | +1.3                     | +3.9                | -0.4                       | -3.5                 | +9.5                    | +3.4            | -3.1         | +2.2                    | +3.5               | +1.5               |
| July 1956-57 .....                 | + .7            | (2)                      | -4.0                | +2.9                       | -4.5                 | +11.1                   | +19.1           | - .5         | +3.5                    | +2.7               | +4.4               |

Source: Department of Labor.  
less than one-tenth of 1 percent.

\*Percent change: July-Aug. 1957, +0.6; Aug. 1956-57, -1.8.

1 Not yet available.

2 Change of

Table G-2: Contract Construction: Number of Employees and Indexes of Employment (Seasonally Adjusted)

| Year   | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Annual average |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| NUMBER OF EMPLOYEES (in thousands, seasonally adjusted)                |       |       |       |       |       |       |       |       |       |       |       |       |                |
| 1948.....  | 2,120 | 2,015 | 2,065 | 2,105 | 2,136 | 2,184 | 2,199 | 2,212 | 2,220 | 2,229 | 2,249 | 2,251 | 2,169          |
| 1949.....  | 2,222 | 2,171 | 2,146 | 2,128 | 2,124 | 2,130 | 2,157 | 2,176 | 2,197 | 2,192 | 2,190 | 2,141 | 2,165          |
| 1950.....  | 2,119 | 2,101 | 2,105 | 2,173 | 2,236 | 2,337 | 2,405 | 2,451 | 2,473 | 2,502 | 2,517 | 2,471 | 2,333          |
| 1951.....  | 2,526 | 2,521 | 2,569 | 2,593 | 2,596 | 2,613 | 2,633 | 2,641 | 2,630 | 2,653 | 2,606 | 2,620 | 2,603          |
| 1952.....  | 2,599 | 2,624 | 2,588 | 2,586 | 2,597 | 2,645 | 2,658 | 2,672 | 2,682 | 2,648 | 2,650 | 2,632 | 2,634          |
| 1953.....  | 2,647 | 2,669 | 2,653 | 2,638 | 2,613 | 2,598 | 2,588 | 2,596 | 2,612 | 2,632 | 2,623 | 2,626 | 2,622          |
| 1954.....  | 2,533 | 2,583 | 2,600 | 2,614 | 2,603 | 2,599 | 2,591 | 2,594 | 2,586 | 2,584 | 2,618 | 2,615 | 2,593          |
| 1955.....  | 2,624 | 2,618 | 2,703 | 2,759 | 2,813 | 2,823 | 2,829 | 2,813 | 2,810 | 2,777 | 2,760 | 2,750 | 2,759          |
| 1956.....  | 2,768 | 2,802 | 2,834 | 2,902 | 2,985 | 3,113 | 3,043 | 3,083 | 3,080 | 3,080 | 3,067 | 3,074 | 2,993          |
| 1957.....  | 2,963 | 3,020 | 3,062 | 3,059 | 3,097 | 3,108 | 3,065 | 3,027 |       |       |       |       |                |
| INDEXES (1947-49=100) OF EMPLOYMENT (seasonally adjusted) <sup>1</sup> |       |       |       |       |       |       |       |       |       |       |       |       |                |
| 1948.....  | 100.7 | 95.7  | 98.1  | 100.0 | 101.5 | 103.8 | 104.5 | 105.1 | 105.5 | 105.9 | 106.8 | 106.9 | 103.0          |
| 1949.....  | 105.6 | 103.1 | 101.9 | 101.1 | 100.9 | 101.2 | 102.5 | 103.4 | 104.4 | 104.1 | 104.0 | 101.7 | 102.9          |
| 1950.....  | 100.7 | 99.8  | 100.0 | 105.2 | 106.2 | 111.0 | 114.3 | 116.4 | 117.5 | 118.9 | 119.6 | 117.4 | 110.8          |
| 1951.....  | 120.0 | 119.8 | 122.0 | 123.2 | 123.3 | 124.1 | 125.1 | 125.5 | 124.9 | 126.0 | 123.8 | 124.5 | 123.7          |
| 1952.....  | 123.5 | 124.7 | 122.9 | 122.9 | 123.4 | 125.7 | 126.3 | 126.9 | 127.4 | 125.8 | 125.9 | 125.0 | 125.1          |
| 1953.....  | 125.7 | 126.8 | 126.0 | 125.3 | 124.1 | 123.4 | 122.9 | 123.3 | 124.1 | 125.0 | 124.6 | 124.8 | 124.6          |
| 1954.....  | 120.3 | 122.7 | 123.5 | 124.2 | 123.7 | 123.5 | 123.1 | 123.2 | 122.9 | 122.8 | 124.4 | 124.2 | 123.2          |
| 1955.....  | 124.7 | 124.4 | 128.4 | 131.1 | 133.6 | 134.1 | 134.4 | 133.6 | 133.5 | 131.9 | 131.1 | 130.6 | 131.1          |
| 1956.....  | 131.5 | 133.1 | 134.6 | 137.9 | 141.8 | 147.9 | 144.6 | 146.5 | 146.3 | 146.3 | 145.7 | 146.0 | 142.2          |
| 1957.....  | 140.8 | 143.5 | 145.5 | 145.3 | 147.1 | 147.6 | 145.6 | 143.8 |       |       |       |       |                |

Source: Department of Labor.  
the Federal Reserve Board.<sup>1</sup> Indexes for months before January 1953 are based on seasonally adjusted employment data derived by



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Table G-3: Contract Construction: Employment, by State

| State                          | Number of employees (in thousands) |       |       |       |       |       |       |       |       |       |       | Percent change, July 1956-57 |
|--------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
|                                | 1956                               | 1957  |       |       |       |       |       |       | 1954  | 1955  | 1956  |                              |
|                                | Dec.                               | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | July  | July  | July  |                              |
| Alabama.....                   | 41.6                               | 41.2  | 41.2  | 41.1  | 41.6  | 42.3  | 43.4  | 42.3  | 32.6  | 35.8  | 40.9  | + 3                          |
| Arizona.....                   | 21.1                               | 20.0  | 20.1  | 20.0  | 19.3  | 19.1  | 19.4  | 19.7  | 16.9  | 19.5  | 20.3  | - 3                          |
| Arkansas.....                  | 14.7                               | 13.3  | 13.5  | 14.3  | 15.0  | 17.0  | 18.3  | 20.8  | 16.3  | 17.8  | 17.2  | +21                          |
| California.....                | 287.3                              | 271.3 | 272.2 | 268.7 | 272.5 | 277.5 | 284.5 | 265.6 | 253.7 | 279.1 | 291.7 | - 9                          |
| Colorado.....                  | 31.6                               | 29.7  | 28.0  | 27.5  | 26.0  | 27.8  | 31.3  | 33.5  | 23.6  | 33.5  | 35.9  | - 7                          |
| Connecticut <sup>1</sup> ..... | 49.7                               | 42.3  | 42.8  | 43.5  | 45.7  | 49.9  | 52.5  | 53.1  | 44.8  | 48.3  | 53.9  | - 1                          |
| Delaware.....                  | 15.7                               | 12.9  | 11.9  | 11.7  | 12.3  | 12.3  | 12.2  | 11.7  | 11.0  | 12.9  | 20.2  | -42                          |
| District of Columbia..         | 17.2                               | 16.7  | 16.9  | 17.3  | 17.7  | 18.1  | 17.8  | 18.1  | 17.5  | 17.2  | 18.1  | 0                            |
| Florida.....                   | 116.4                              | 113.0 | 109.3 | 107.9 | 107.9 | 108.9 | 111.8 | 114.1 | 81.7  | 98.4  | 112.9 | + 1                          |
| Georgia.....                   | 53.0                               | 50.0  | 50.1  | 50.7  | 54.2  | 55.2  | 58.3  | 58.8  | 46.0  | 53.6  | 57.3  | + 3                          |
| Idaho.....                     | 8.1                                | 7.1   | 6.6   | 7.1   | 8.2   | 9.0   | 9.9   | 10.7  | 10.4  | 10.8  | 11.0  | - 3                          |
| Illinois.....                  | 185.9                              | 167.2 | 173.1 | 181.6 | 193.4 | 203.8 | 213.2 | 218.8 | 179.0 | 185.5 | 205.5 | + 6                          |
| Indiana.....                   | 68.1                               | 57.1  | 58.5  | 61.7  | 63.3  | 68.3  | 69.8  | 73.0  | 62.7  | 75.4  | 80.9  | -10                          |
| Iowa.....                      | 34.4                               | 29.9  | 30.1  | 31.6  | 34.6  | 37.0  | 41.3  | 42.8  | 41.1  | 41.3  | 44.5  | - 4                          |
| Kansas.....                    | 33.6                               | 29.6  | 30.4  | 32.3  | 33.0  | 34.1  | 35.8  | (2)   | 40.1  | 43.4  | 43.8  | --                           |
| Kentucky <sup>2</sup> .....    | --                                 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --                           |
| Louisiana.....                 | 67.7                               | 67.1  | 65.1  | 66.8  | 69.0  | 66.6  | 69.5  | 72.0  | 55.9  | 51.7  | 60.1  | +20                          |
| Maine.....                     | 13.1                               | 10.7  | 10.0  | 9.8   | 10.6  | 13.1  | 14.7  | 15.0  | 16.4  | 16.4  | 16.1  | - 7                          |
| Maryland.....                  | 69.3                               | 60.2  | 60.6  | 63.0  | 56.8  | 62.3  | 70.1  | 72.5  | 60.2  | 68.4  | 74.8  | - 3                          |
| Massachusetts.....             | 79.4                               | 66.5  | 65.8  | 68.7  | 78.9  | 84.7  | 87.7  | 89.9  | 75.8  | 87.2  | 92.5  | - 3                          |
| Michigan.....                  | 111.7                              | 101.3 | 102.0 | 103.7 | 106.3 | 113.1 | 112.2 | 116.1 | 128.1 | 125.9 | 127.0 | - 9                          |
| Minnesota <sup>3</sup> .....   | 48.6                               | 43.0  | 43.2  | 43.4  | 47.5  | 56.9  | 61.3  | 67.1  | 62.8  | 71.7  | 66.7  | + 1                          |
| Mississippi.....               | 15.7                               | 14.8  | 13.9  | 13.7  | 14.4  | 15.9  | 15.9  | 16.5  | 17.1  | 20.1  | 18.4  | -10                          |
| Missouri.....                  | 69.8                               | 63.6  | 65.6  | 68.2  | 67.1  | 67.8  | 69.3  | 72.2  | 72.9  | 81.1  | 77.4  | - 7                          |
| Montana.....                   | 10.2                               | 8.7   | 8.4   | 8.7   | 10.7  | 13.5  | 14.4  | 15.0  | 13.2  | 13.1  | 14.5  | + 3                          |
| Nebraska.....                  | 18.7                               | 16.4  | 16.8  | 18.2  | 19.1  | 19.7  | 21.4  | 22.3  | 24.6  | 26.3  | 24.0  | - 7                          |
| Nevada.....                    | 7.2                                | 6.7   | 6.4   | 6.7   | 7.1   | 8.4   | 8.4   | 8.6   | 9.9   | 10.0  | 8.5   | + 1                          |
| New Hampshire.....             | 8.8                                | 7.1   | 6.8   | 7.0   | 8.1   | 9.2   | 10.0  | 10.7  | 9.9   | 12.1  | 11.2  | - 4                          |
| New Jersey.....                | 107.6                              | 94.7  | 92.8  | 98.7  | 107.7 | 108.8 | 108.9 | 112.0 | 100.1 | 109.8 | 114.5 | - 2                          |
| New Mexico.....                | 16.0                               | 14.8  | 14.5  | 15.3  | 16.1  | 15.4  | 15.9  | 16.0  | 14.2  | 15.8  | 16.0  | 0                            |
| New York.....                  | 248.3                              | 221.4 | 221.6 | 234.3 | 249.7 | 265.8 | 275.1 | 276.1 | 251.4 | 262.2 | 272.1 | + 1                          |
| North Carolina.....            | 57.5                               | 53.4  | 50.9  | 51.6  | 52.9  | 54.3  | 55.5  | 56.3  | 51.2  | 56.4  | 61.3  | - 8                          |
| North Dakota.....              | 7.4                                | 6.1   | 5.6   | 5.7   | 7.9   | 10.8  | 12.5  | 13.7  | 15.5  | 11.5  | 12.6  | + 9                          |
| Ohio.....                      | 159.5                              | 140.6 | 147.3 | 154.3 | 160.6 | 173.3 | 179.9 | 184.9 | 183.7 | 186.1 | 169.4 | + 9                          |
| Oklahoma.....                  | 35.1                               | 33.0  | 34.1  | 34.8  | 35.2  | 36.3  | 37.6  | 38.9  | 33.6  | 37.3  | 36.1  | + 8                          |
| Oregon.....                    | 23.0                               | 21.2  | 21.3  | 20.9  | 22.5  | 24.0  | 25.4  | 26.7  | 25.5  | 26.4  | 28.4  | - 6                          |
| Pennsylvania.....              | 171.9                              | 145.4 | 147.2 | 156.0 | 168.2 | 178.1 | 184.5 | 182.3 | 190.5 | 201.1 | 199.5 | - 9                          |
| Rhode Island.....              | 16.2                               | 13.5  | 14.7  | 16.2  | 19.1  | 17.4  | 19.2  | 20.0  | 15.6  | 17.9  | 19.1  | + 5                          |
| South Carolina.....            | 27.1                               | 26.3  | 26.8  | 27.5  | 28.7  | 28.5  | 28.6  | 28.9  | 38.9  | 31.9  | 29.5  | - 2                          |
| South Dakota.....              | 8.3                                | 7.0   | 6.7   | 7.2   | 8.7   | 9.8   | 11.5  | 11.7  | 11.8  | 12.0  | 12.8  | - 9                          |
| Tennessee.....                 | 40.4                               | 37.3  | 37.6  | 38.5  | 39.9  | 41.6  | 42.2  | (2)   | 55.4  | 49.1  | 46.2  | --                           |
| Texas.....                     | 166.0                              | 162.5 | 163.8 | 163.4 | 161.4 | 160.5 | 169.3 | 174.7 | 155.3 | 167.1 | 169.4 | + 3                          |
| Utah.....                      | 14.9                               | 12.7  | 12.6  | 13.6  | 15.4  | 16.8  | 18.1  | 19.2  | 13.4  | 17.3  | 17.9  | + 7                          |
| Vermont.....                   | 4.4                                | 3.5   | 3.5   | 3.6   | 4.0   | 4.8   | 5.5   | 5.6   | 5.1   | 5.4   | 5.6   | 0                            |
| Virginia.....                  | 70.4                               | 68.7  | 70.1  | 72.9  | 77.0  | 80.8  | 82.2  | 84.2  | 59.3  | 66.0  | 74.6  | +13                          |
| Washington.....                | 42.6                               | 40.0  | 37.5  | 40.2  | 42.8  | 44.2  | 45.2  | 46.8  | 54.4  | 52.9  | 48.7  | - 4                          |
| West Virginia.....             | 22.6                               | 20.2  | 21.7  | 24.1  | 24.6  | 25.8  | 26.8  | 27.7  | 21.1  | 21.6  | 24.8  | +12                          |
| Wisconsin.....                 | 55.0                               | 49.5  | 50.2  | 50.0  | 52.4  | 57.5  | 58.7  | (2)   | 56.9  | 63.6  | 66.0  | --                           |
| Wyoming.....                   | 6.1                                | 5.2   | 5.1   | 5.4   | 5.7   | 6.3   | 7.7   | 7.7   | 7.8   | 8.1   | 8.4   | - 8                          |

Source: Department of Labor.

<sup>1</sup> Includes a small number of employees in mining.<sup>2</sup> Not available.<sup>3</sup> Data revised from

January 1955.

<sup>4</sup> Data revised from January 1956.

NOTE: Revised statistics for months not shown here are available on request.



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Table G-4: Contract Construction: Employment in Selected Areas

| Area  | Number of employees (in thousands) |       |       |       |       |       |       |       |       |       |       | Percent change, July 1956-57 |
|---|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
|   | 1956                               | 1957  |       |       |       |       |       |       | 1954  | 1955  | 1956  |                              |
|   | Dec.                               | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | July  | July  | July  |                              |
| Albany-Schenectady-Troy, N.Y.                 | 8.1                                | 6.7   | 6.8   | 6.8   | 7.7   | 8.6   | 8.7   | 8.6   | 8.4   | 7.2   | 8.0   | +8                           |
| Albuquerque, N. Mex.                          | 4.4                                | 4.4   | 4.5   | 4.6   | 5.0   | 4.9   | 5.2   | 5.3   | 4.8   | 5.4   | 5.0   | +6                           |
| Atlanta, Ga. <sup>1</sup>                     | 17.8                               | 16.9  | 17.1  | 17.4  | 19.2  | 19.6  | 21.0  | 21.2  | 14.2  | 19.4  | 20.5  | +3                           |
| Baltimore, Md.                                | 43.6                               | 39.4  | 39.7  | 41.2  | 34.2  | 38.0  | 42.8  | 44.3  | 37.7  | 42.2  | 45.5  | -3                           |
| Baton Rouge, La.                              | 7.1                                | 7.4   | 7.4   | 7.3   | 7.6   | 8.1   | 8.0   | 8.9   | 6.0   | 5.3   | 7.0   | +27                          |
| Binghamton, N. Y.                             | 2.3                                | 2.0   | 1.9   | 2.0   | 2.3   | 3.0   | 3.3   | 3.3   | 3.1   | 3.4   | 3.4   | -3                           |
| Birmingham, Ala.                              | 13.4                               | 12.9  | 12.9  | 13.0  | 13.7  | 14.4  | 14.9  | 15.1  | 10.5  | 11.2  | 13.2  | +14                          |
| Boise, Idaho                                  | 1.8                                | 1.6   | 1.5   | 1.5   | 1.5   | 1.7   | 1.8   | 1.9   | 1.8   | 2.0   | 2.2   | -14                          |
| Boston, Mass.                                 | 48.1                               | 38.2  | 38.4  | 41.2  | 46.2  | 49.2  | 51.2  | 52.8  | 43.4  | 48.7  | 52.1  | +1                           |
| Bridgeport, Conn. <sup>2</sup>                | 5.8                                | 5.2   | 5.1   | 5.5   | 5.9   | 6.4   | 6.7   | 7.2   | 6.0   | 6.2   | 6.7   | +7                           |
| Buffalo, N. Y.                                | 20.4                               | 18.1  | 18.6  | 19.3  | 20.4  | 22.9  | 23.8  | 25.3  | 21.9  | 21.5  | 23.4  | +8                           |
| Casper, Wyo.                                  | 1.3                                | 1.1   | 1.2   | 1.2   | 1.2   | 1.4   | 1.6   | 1.6   | 1.5   | 1.3   | 1.8   | -11                          |
| Charleston, S. C.                             | 3.8                                | 3.6   | 3.6   | 3.6   | 3.5   | 3.5   | 3.8   | 3.4   | 3.3   | 3.9   | 3.3   | +3                           |
| Charleston, W. Va. <sup>3</sup>               | 4.6                                | 4.0   | 4.3   | 4.7   | 4.8   | 5.1   | 5.4   | 5.3   | 6.1   | 4.0   | 4.6   | +15                          |
| Charlotte, N. C.                              | 8.9                                | 8.4   | 7.9   | 8.0   | 8.3   | 8.7   | 9.0   | 9.3   | 7.0   | 8.5   | 9.1   | +2                           |
| Chattanooga, Tenn.                            | 3.4                                | 3.0   | 3.3   | 3.1   | 3.3   | 3.7   | 3.6   | 3.7   | 4.7   | 5.1   | 3.8   | -3                           |
| Chicago, Ill.                                 | 131.3                              | 119.7 | 122.1 | 125.8 | 128.3 | 135.0 | 138.2 | 141.4 | 116.8 | 124.4 | 141.2 | (4)                          |
| Denver, Colo.                                 | 20.1                               | 18.6  | 18.5  | 18.2  | 17.3  | 17.5  | 20.4  | 21.2  | 14.3  | 20.6  | 23.2  | -9                           |
| Des Moines, Iowa                              | 4.6                                | 4.2   | 4.1   | 4.7   | 4.9   | 5.1   | 5.8   | 6.0   | 6.0   | 5.6   | 6.2   | -3                           |
| Detroit, Mich.                                | 62.2                               | 57.7  | 58.4  | 59.3  | 60.6  | 64.3  | 64.6  | 66.1  | 71.8  | 72.1  | 69.5  | -5                           |
| Duluth, Minn. <sup>5</sup>                    | 2.9                                | 2.6   | 2.8   | 3.0   | 3.0   | 3.4   | 3.6   | 3.7   | 2.5   | 2.8   | 3.2   | +16                          |
| Evansville, Ind. <sup>6</sup>                 | 4.0                                | 3.8   | 3.9   | 4.0   | 4.1   | 4.2   | 4.4   | 4.2   | 4.0   | 4.4   | 4.4   | -5                           |
| Fargo, N. D.                                  | 1.8                                | 1.7   | 1.5   | 1.6   | 1.7   | 2.3   | 2.7   | 3.1   | 2.2   | 2.6   | 2.3   | +35                          |
| Fort Wayne, Ind.                              | 3.2                                | 2.7   | 2.7   | 2.9   | 2.8   | 3.1   | 3.3   | 3.4   | 3.3   | 4.1   | 4.0   | -15                          |
| Great Falls, Mont.                            | 1.3                                | 1.1   | 1.1   | 1.2   | 1.6   | 2.3   | 2.4   | 2.4   | 1.8   | 1.9   | 2.2   | +9                           |
| Harrisburg, Pa. <sup>7</sup>                  | 6.8                                | 5.7   | 5.7   | 6.3   | 6.8   | 7.2   | 7.7   | 8.1   | 7.6   | 8.4   | 8.4   | -4                           |
| Hartford, Conn. <sup>2</sup>                  | 10.6                               | 9.4   | 9.1   | 9.2   | 9.9   | 10.8  | 11.7  | 11.7  | 10.1  | 10.8  | 11.4  | +3                           |
| Indianapolis, Ind.                            | 13.6                               | 12.7  | 12.2  | 12.7  | 12.9  | 13.2  | 13.4  | 14.4  | 13.8  | 14.7  | 14.5  | -1                           |
| Jackson, Miss.                                | 3.6                                | 3.6   | 3.5   | 3.5   | 3.8   | 4.0   | 4.1   | 4.3   | --    | 5.1   | 4.5   | -4                           |
| Jacksonville, Fla.                            | 9.5                                | 9.4   | 9.2   | 9.2   | 9.2   | 9.2   | 9.1   | 9.4   | 10.4  | 9.5   | 9.7   | -3                           |
| Kansas City, Mo.                              | 18.4                               | 17.3  | 18.2  | 17.9  | 17.2  | 16.4  | 15.8  | (8)   | 22.3  | 21.7  | 20.5  | --                           |
| Knoxville, Tenn.                              | 7.3                                | 7.2   | 6.9   | 7.0   | 6.7   | 6.6   | 6.7   | 6.4   | 14.0  | 9.2   | 7.2   | -11                          |
| Lewiston, Maine                               | 1.1                                | 1.0   | .9    | .9    | 1.0   | 1.0   | 1.1   | 1.1   | 1.2   | 1.5   | 1.3   | -15                          |
| Little Rock-N. Little Rock, Ark.              | 4.4                                | 3.7   | 3.4   | 3.6   | 3.8   | 4.2   | 4.6   | 5.7   | 4.9   | 6.3   | 5.7   | 0                            |
| Los Angeles, Calif.                           | 128.8                              | 123.2 | 124.9 | 125.5 | 122.5 | 123.3 | 126.7 | 107.9 | 117.4 | 131.8 | 135.8 | -21                          |
| Louisville, Ky.                               | 13.4                               | 12.2  | 12.5  | 13.1  | 13.2  | 15.4  | 16.0  | (8)   | 16.8  | 16.3  | 16.9  | --                           |
| Manchester, N. H.                             | 2.0                                | 1.7   | 1.6   | 1.6   | 1.9   | 2.0   | 2.2   | 2.4   | 1.9   | 2.5   | 2.3   | +4                           |
| Memphis, Tenn.                                | 8.2                                | 7.4   | 7.5   | 7.4   | 7.9   | 8.3   | 8.8   | 9.5   | 11.0  | 11.2  | 9.7   | -2                           |
| Miami, Fla.                                   | 26.7                               | 24.5  | 22.9  | 22.9  | 23.5  | 23.9  | 24.8  | 24.8  | 20.9  | 26.0  | 25.9  | -4                           |
| Milwaukee, Wis.                               | 22.0                               | 20.2  | 20.4  | 20.1  | 20.9  | 21.7  | 22.6  | (8)   | 19.6  | 22.6  | 23.6  | --                           |
| Minneapolis-St. Paul, Minn. <sup>5</sup>      | 25.2                               | 22.1  | 22.2  | 22.2  | 24.1  | 27.4  | 29.0  | 29.9  | 28.4  | 31.1  | 30.4  | -2                           |
| Mobile, Ala.                                  | 5.1                                | 4.9   | 4.8   | 4.9   | 4.9   | 5.0   | 5.0   | (8)   | 2.1   | 5.2   | 5.1   | --                           |
| Nashville, Tenn.                              | 6.5                                | 6.0   | 6.0   | 6.3   | 6.6   | 6.7   | 6.6   | 6.8   | 7.5   | 7.6   | 6.1   | +11                          |
| New Bedford, Mass.                            | 1.3                                | 1.1   | 1.2   | 1.1   | 1.2   | 1.3   | 1.4   | 1.5   | 1.6   | 1.8   | 1.6   | -6                           |
| New Britain, Conn. <sup>2</sup>               | 1.4                                | 1.2   | 1.2   | 1.3   | 1.4   | 1.4   | 1.5   | 1.6   | 1.3   | 1.4   | 1.6   | 0                            |
| New Haven, Conn. <sup>2</sup>                 | 7.7                                | 7.2   | 7.2   | 7.3   | 7.8   | 8.2   | 8.7   | 9.2   | 6.4   | 7.1   | 8.1   | +14                          |
| New Orleans, La.                              | 16.5                               | 16.4  | 20.9  | 20.3  | 20.3  | 20.2  | 20.0  | 20.1  | 21.8  | 17.4  | 15.2  | +32                          |
| New York-Northeastern N. Jersey. <sup>7</sup> | 231.0                              | 207.3 | 203.2 | 216.2 | 231.6 | 241.2 | 242.6 | 235.2 | 223.8 | 241.5 | 250.2 | -6                           |
| Newark-Jersey City, N. J. <sup>7</sup>        | 36.1                               | 31.9  | 30.2  | 31.4  | 34.5  | 34.5  | 34.6  | 34.6  | 32.6  | 37.4  | 40.6  | -15                          |
| Paterson, N. J. <sup>7</sup>                  | 26.0                               | 23.7  | 23.1  | 24.0  | 26.0  | 27.7  | 27.8  | 28.2  | 26.3  | 27.2  | 27.9  | +1                           |
| Perth Amboy, N. J. <sup>9</sup>               | 9.5                                | 8.2   | 7.5   | 8.4   | 8.6   | 8.4   | 8.4   | 8.5   | 6.8   | 8.6   | 10.2  | -17                          |
| Nassau-Suffolk Counties, N. Y.                | 29.1                               | 22.6  | 22.0  | 25.0  | 27.0  | 29.1  | 29.4  | 27.4  | 30.4  | 33.5  | 34.2  | -20                          |
| New York, N. Y.                               | 110.2                              | 104.4 | 104.8 | 111.2 | 116.5 | 120.2 | 121.4 | 116.4 | 108.8 | 112.3 | 114.6 | +2                           |
| Westchester County, N. Y.                     | 17.7                               | 15.0  | 14.5  | 14.9  | 16.9  | 19.1  | 18.8  | 18.1  | 16.6  | 19.8  | 20.3  | -11                          |

See footnotes at end of table.

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Table G-4: Contract Construction: Employment in Selected Areas-Continued

| Area                                 | Number of employees (in thousands) |      |      |      |      |      |      |      |      |      |      | Percent change, July 1956-57 |      |
|--------------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------------------------------|------|
|                                      | 1956                               | 1957 |      |      |      |      |      |      |      | 1954 | 1955 |                              | 1956 |
|                                      | Dec.                               | Jan. | Feb. | Mar. | Apr. | May  | June | July | July | July | July |                              |      |
| Norfolk-Portsmouth, Va. ....         | 12.9                               | 12.4 | 12.6 | 12.8 | 13.7 | 14.6 | 14.7 | 15.2 | 12.1 | 11.2 | 12.7 | +20                          |      |
| Oklahoma City, Okla. ....            | 9.8                                | 9.3  | 9.5  | 9.7  | 9.7  | 9.8  | 10.0 | 10.3 | 10.0 | 11.3 | 10.8 | - 5                          |      |
| Omaha, Nebr. ....                    | 8.2                                | 7.2  | 7.2  | 7.6  | 8.0  | 8.2  | 8.6  | 9.0  | 9.0  | 9.6  | 9.7  | - 7                          |      |
| Peoria, Ill. ....                    | 4.5                                | 3.7  | 4.3  | 4.7  | 4.7  | 4.6  | 4.9  | (8)  | 5.3  | 5.8  | 5.4  | --                           |      |
| Phoenix, Ariz. ....                  | 11.1                               | 10.7 | 10.7 | 10.7 | 9.7  | 9.5  | 9.5  | 9.9  | 7.9  | 10.1 | 10.3 | - 4                          |      |
| Pittsburgh, Pa. ....                 | 49.9                               | 42.1 | 44.5 | 47.2 | 49.7 | 52.4 | 56.0 | 53.6 | 38.4 | 45.6 | 46.4 | +16                          |      |
| Portland, Maine ....                 | 3.9                                | 3.3  | 3.2  | 3.3  | 3.3  | 3.7  | 3.8  | 3.8  | 4.2  | 4.5  | 4.6  | -17                          |      |
| Portland, Oreg. ....                 | 13.2                               | 12.4 | 12.6 | 12.6 | 13.4 | 13.8 | 14.8 | (8)  | 13.3 | 15.1 | 15.7 | --                           |      |
| Providence, R. I. ....               | 14.4                               | 12.0 | 13.0 | 14.3 | 17.0 | 15.4 | 17.0 | 17.7 | 13.8 | 15.7 | 16.9 | + 5                          |      |
| Racine, Wis. ....                    | 2.0                                | 1.8  | 1.8  | 2.0  | 2.1  | 2.3  | 2.4  | (8)  | 2.1  | 2.0  | 2.3  | --                           |      |
| Reno, Nev. ....                      | 2.3                                | 2.1  | 2.2  | 2.3  | 2.4  | 2.5  | 2.3  | 2.4  | 2.4  | 2.6  | 2.3  | + 4                          |      |
| Richmond, Va. ....                   | 11.4                               | 11.0 | 11.1 | 11.6 | 12.2 | 12.7 | 13.1 | 13.4 | 10.0 | 11.5 | 12.2 | +10                          |      |
| Rochester, N. Y. ....                | 9.6                                | 8.4  | 8.2  | 8.5  | 9.4  | 9.9  | 11.0 | 11.4 | 10.2 | 10.7 | 11.1 | + 3                          |      |
| Rockford, Ill. 2 ....                | 4.0                                | 3.5  | 3.5  | 3.5  | 3.9  | 3.9  | 4.4  | (8)  | 3.7  | 4.3  | 4.7  | --                           |      |
| Sacramento, Calif. ....              | 9.4                                | 9.0  | 8.8  | 8.1  | 9.1  | 9.3  | 9.7  | 10.0 | 9.2  | 9.8  | 10.0 | 0                            |      |
| St. Louis, Mo. ....                  | 40.4                               | 36.3 | 36.8 | 39.4 | 39.5 | 41.2 | 43.0 | 42.4 | 44.2 | 47.5 | 44.6 | - 5                          |      |
| Salt Lake City, Utah ....            | 7.8                                | 6.8  | 6.8  | 7.3  | 8.1  | 8.9  | 9.1  | 9.3  | 7.7  | 9.8  | 9.9  | - 6                          |      |
| San Diego, Calif. ....               | 14.6                               | 14.2 | 14.5 | 14.4 | 14.0 | 14.0 | 13.8 | 12.9 | 11.7 | 13.3 | 14.3 | -10                          |      |
| San Francisco-Oakland, Calif. ....   | 60.2                               | 56.4 | 54.9 | 53.5 | 55.1 | 55.6 | 57.7 | 58.1 | 59.1 | 61.1 | 60.3 | - 4                          |      |
| San Jose, Calif. ....                | 10.5                               | 9.8  | 9.4  | 9.1  | 9.8  | 9.8  | 10.2 | 10.5 | 9.8  | 10.8 | 10.9 | - 4                          |      |
| Savannah, Ga. ....                   | 3.8                                | 3.5  | 3.6  | 3.7  | 4.0  | 3.9  | 4.1  | 4.2  | 2.8  | 3.5  | 4.0  | + 5                          |      |
| Seattle, Wash. ....                  | 14.9                               | 14.2 | 14.0 | 14.8 | 15.9 | 16.8 | 17.0 | 17.8 | 13.7 | 16.0 | 16.6 | + 7                          |      |
| Sioux Falls, S. D. ....              | 1.3                                | 1.0  | 1.0  | 1.0  | 1.3  | 1.4  | 1.7  | 1.8  | --   | 2.3  | 2.0  | -10                          |      |
| South Bend, Ind. ....                | 2.8                                | 2.6  | 2.6  | 2.7  | 2.9  | 3.2  | 3.3  | 3.3  | 3.2  | 4.0  | 3.7  | -11                          |      |
| Spokane, Wash. ....                  | 4.1                                | 3.5  | 3.1  | 3.5  | 3.9  | 4.1  | 4.5  | 4.9  | 5.0  | 5.4  | 5.6  | -13                          |      |
| Springfield-Holyoke, Mass. ....      | 7.2                                | 6.2  | 5.6  | 6.1  | 6.7  | 7.4  | 7.6  | 7.9  | 6.6  | 7.9  | 8.8  | -10                          |      |
| Stamford, Conn. 2 ....               | 4.3                                | 4.1  | 4.1  | 4.1  | 4.2  | 4.8  | 5.0  | 5.1  | 3.5  | 4.3  | 4.6  | +11                          |      |
| Syracuse, N. Y. ....                 | 7.0                                | 5.3  | 5.9  | 5.8  | 6.0  | 6.5  | 7.0  | 7.2  | 8.2  | 7.5  | 7.6  | - 5                          |      |
| Tacoma, Wash. ....                   | 3.8                                | 3.6  | 3.4  | 3.5  | 3.9  | 4.1  | 4.6  | 4.8  | 4.1  | 4.7  | 4.0  | +20                          |      |
| Tampa-St. Petersburg, Fla. ....      | 17.2                               | 17.2 | 17.7 | 18.0 | 17.6 | 17.5 | 17.7 | 17.8 | 13.0 | 15.3 | 16.7 | + 7                          |      |
| Topeka, Kans. ....                   | 3.4                                | 3.0  | 3.0  | 3.3  | 3.5  | 4.0  | 4.7  | 5.3  | 3.0  | 3.0  | 4.4  | +20                          |      |
| Trenton, N. J. ....                  | 3.8                                | 3.3  | 3.6  | 3.7  | 3.8  | 3.7  | 4.1  | 4.1  | 4.5  | 3.9  | 4.3  | - 5                          |      |
| Tucson, Ariz. ....                   | 4.6                                | 4.1  | 4.1  | 3.9  | 3.9  | 3.9  | 4.0  | 4.1  | 3.7  | 4.5  | 5.1  | -20                          |      |
| Tulsa, Okla. ....                    | 9.7                                | 9.0  | 9.3  | 9.0  | 9.0  | 9.2  | 8.4  | 8.7  | 8.7  | 9.0  | 10.0 | -13                          |      |
| Utica-Rome, N. Y. ....               | 3.0                                | 2.4  | 2.4  | 2.5  | 3.0  | 3.6  | 4.2  | 5.0  | 3.9  | 3.7  | 3.8  | +32                          |      |
| Washington, D. C. ....               | 40.2                               | 37.7 | 38.1 | 39.4 | 40.3 | 41.3 | 40.8 | 42.2 | 39.3 | 43.8 | 44.2 | - 5                          |      |
| Waterbury, Conn. 2 ....              | 2.2                                | 1.9  | 1.8  | 1.8  | 2.0  | 2.1  | 2.2  | 2.6  | 2.0  | 2.3  | 2.3  | +13                          |      |
| Wheeling-Steubenville, W. Va. 3 .... | 5.8                                | 4.9  | 5.5  | 5.9  | 6.3  | 6.3  | 6.5  | 6.9  | 5.0  | 4.6  | 5.2  | +33                          |      |
| Wichita, Kans. ....                  | 7.2                                | 6.7  | 6.7  | 7.1  | 7.1  | 7.6  | 7.9  | 8.1  | 7.6  | 9.0  | 9.1  | -11                          |      |
| Wilmington, Del. ....                | 13.9                               | 11.4 | 10.5 | 10.4 | 10.8 | 10.7 | 10.5 | 10.1 | --   | 10.5 | 18.1 | -44                          |      |
| Worcester, Mass. ....                | 4.3                                | 3.9  | 3.8  | 4.0  | 4.2  | 4.5  | 4.5  | 4.5  | 4.0  | 4.6  | 4.8  | - 6                          |      |

Source: Department of Labor.

<sup>1</sup> Data from January 1956 not comparable with previous periods because area was redefined (and data correspondingly revised) to include not only Cobb, DeKalb, and Fulton Cos., but also Clayton Co.<sup>2</sup> Includes a small number of employees in mining.<sup>3</sup> Data revised from January 1957.<sup>4</sup> Change of less than one-half of 1 percent.<sup>5</sup> Data revised from January 1955.<sup>6</sup> Data from January 1955 not comparable with previous periods because area was redefined (and data correspondingly revised) to include not only Vanderburgh Co., Ind., but also Henderson Co., Ky.<sup>7</sup> Data revised from January 1952.<sup>8</sup> Not available.<sup>9</sup> Data revised from January 1954.

NOTE: Revised statistics for months not shown here are available on request.

Table G-5: Contract Construction: Indexes of Aggregate Weekly Man-Hours

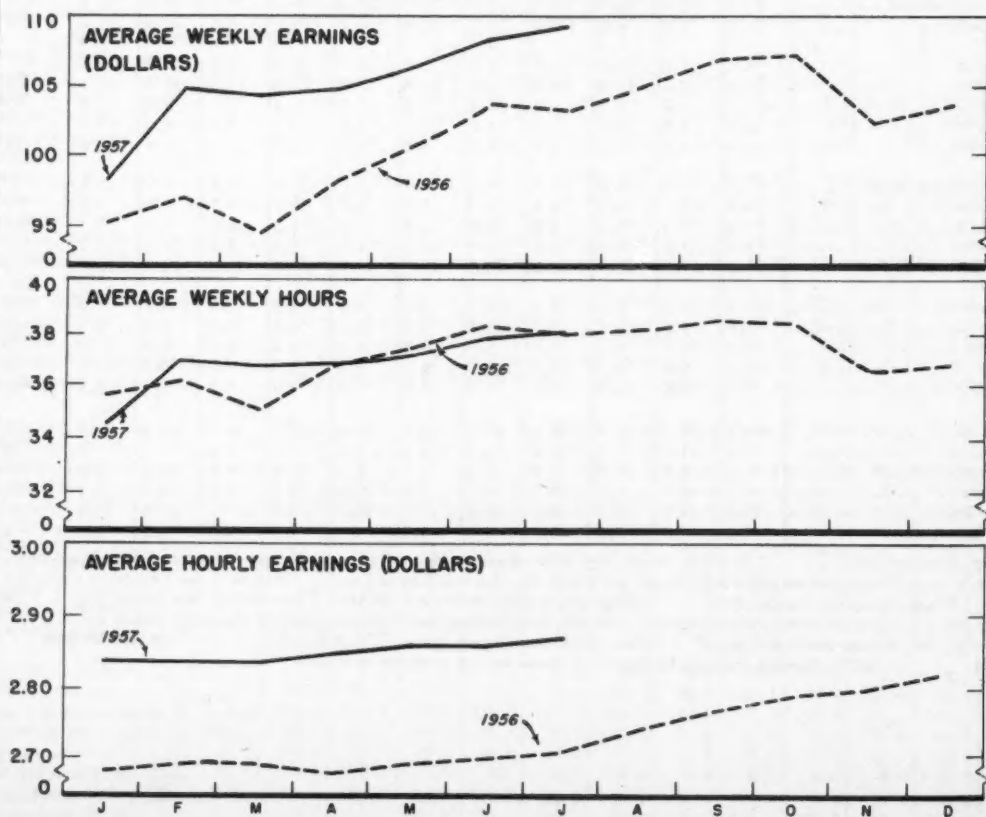
(1947-49=100)

| Year      | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Annual average |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| 1948..... | 89.6  | 81.3  | 86.7  | 95.0  | 102.2 | 111.9 | 115.1 | 117.3 | 116.2 | 113.3 | 106.6 | 105.4 | 103.4          |
| 1949..... | 94.2  | 88.9  | 89.2  | 95.0  | 103.1 | 106.8 | 110.5 | 114.2 | 111.5 | 111.4 | 104.4 | 94.9  | 102.0          |
| 1950..... | 84.6  | 79.5  | 83.7  | 95.8  | 106.1 | 116.7 | 122.1 | 129.5 | 126.1 | 128.9 | 123.9 | 112.7 | 109.1          |
| 1951..... | 106.4 | 99.3  | 105.4 | 116.9 | 126.4 | 131.8 | 137.7 | 141.1 | 138.5 | 139.8 | 124.2 | 121.6 | 124.1          |
| 1952..... | 111.1 | 112.3 | 108.3 | 117.5 | 125.4 | 136.8 | 138.9 | 143.2 | 144.0 | 139.9 | 128.2 | 123.9 | 127.5          |
| 1953..... | 109.1 | 108.7 | 109.1 | 115.8 | 122.6 | 130.4 | 132.0 | 137.2 | 131.7 | 136.7 | 126.7 | 117.2 | 123.1          |
| 1954..... | 95.5  | 102.8 | 106.4 | 113.5 | 120.3 | 128.0 | 131.4 | 134.0 | 128.6 | 128.6 | 123.3 | 114.4 | 118.9          |
| 1955..... | 101.4 | 98.6  | 108.4 | 115.8 | 129.8 | 137.0 | 144.0 | 144.3 | 146.6 | 138.3 | 125.6 | 121.1 | 125.9          |
| 1956..... | 108.1 | 108.5 | 109.2 | 124.0 | 137.4 | 154.3 | 154.6 | 161.1 | 160.7 | 157.7 | 144.2 | 135.9 | 138.0          |
| 1957..... | 112.0 | 119.8 | 123.0 | 131.1 | 141.4 | 151.5 | 154.8 |       |       |       |       |       |                |

Source: Department of Labor.

Chart 14.

## Hours and Earnings of Workers In Contract Construction



SOURCE: DEPARTMENT OF LABOR.

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Table G-6: Contract Construction: Hours and Gross Earnings of Construction Workers

| Period                            | All construction | Building construction    |                     |                            |                      |                         |                 |              | Nonbuilding construction |                    |                    |
|-----------------------------------|------------------|--------------------------|---------------------|----------------------------|----------------------|-------------------------|-----------------|--------------|--------------------------|--------------------|--------------------|
|                                   |                  | All building contractors | General contractors | Special trades contractors |                      |                         |                 |              | All non-building         | Highway and street | Other non-building |
|                                   |                  |                          |                     | All special trades         | Plumbing and heating | Painting and decorating | Electrical work | Other trades |                          |                    |                    |
| AVERAGE WEEKLY EARNINGS           |                  |                          |                     |                            |                      |                         |                 |              |                          |                    |                    |
| Year: 1953.....                   | \$91.61          | \$91.76                  | \$87.75             | \$94.79                    | \$98.30              | \$87.10                 | \$111.61        | \$91.04      | \$90.27                  | \$85.28            | \$93.85            |
| 1954.....                         | 93.98            | 94.12                    | 89.41               | 97.38                      | 102.71               | 90.39                   | 112.71          | 93.19        | 92.86                    | 86.88              | 97.36              |
| 1955.....                         | 95.94            | 96.29                    | 90.22               | 100.83                     | 106.40               | 94.38                   | 116.52          | 96.21        | 95.11                    | 91.27              | 98.50              |
| 1956.....                         | 101.83           | 101.92                   | 95.04               | 107.16                     | 112.31               | 100.10                  | 125.61          | 102.39       | 101.59                   | 97.63              | 104.94             |
| 1956: July.....                   | 103.25           | 103.23                   | 96.52               | 108.25                     | 113.58               | 100.04                  | 124.03          | 103.94       | 105.58                   | 102.70             | 107.68             |
| August.....                       | 104.94           | 104.53                   | 98.05               | 109.96                     | 114.35               | 103.10                  | 127.68          | 105.33       | 106.42                   | 105.16             | 107.83             |
| September.....                    | 106.92           | 106.22                   | 99.06               | 111.97                     | 115.03               | 103.24                  | 131.78          | 107.22       | 108.28                   | 106.12             | 110.27             |
| October.....                      | 107.14           | 106.96                   | 99.80               | 112.05                     | 115.41               | 104.11                  | 130.87          | 107.67       | 108.12                   | 106.52             | 109.75             |
| November.....                     | 102.48           | 102.75                   | 96.21               | 108.00                     | 112.57               | 98.36                   | 124.97          | 103.08       | 100.84                   | 95.41              | 105.30             |
| December.....                     | 103.78           | 104.91                   | 96.48               | 111.14                     | 117.56               | 100.74                  | 129.82          | 104.73       | 99.96                    | 90.94              | 106.23             |
| 1957: January.....                | 98.55            | 99.57                    | 89.76               | 106.45                     | 115.67               | 97.28                   | 127.65          | 95.93        | 94.86                    | 83.90              | 101.73             |
| February.....                     | 104.80           | 105.63                   | 98.19               | 111.33                     | 116.89               | 99.57                   | 130.75          | 104.25       | 101.38                   | 93.09              | 106.50             |
| March.....                        | 104.23           | 104.76                   | 95.93               | 110.96                     | 116.97               | 102.31                  | 131.26          | 103.49       | 100.47                   | 91.77              | 106.35             |
| April.....                        | 104.88           | 105.70                   | 97.46               | 111.33                     | 116.97               | 102.31                  | 130.48          | 105.14       | 100.88                   | 93.37              | 106.54             |
| May.....                          | 106.39           | 107.02                   | 99.00               | 112.61                     | 117.73               | 104.14                  | 131.66          | 107.04       | 103.88                   | 96.64              | 109.93             |
| June.....                         | 108.11           | 108.49                   | 100.65              | 114.58                     | 119.42               | 105.55                  | 134.06          | 108.84       | 106.63                   | 101.33             | 111.32             |
| July.....                         | 109.35           | 108.78                   | 101.94              | 113.90                     | 118.04               | 107.21                  | 131.77          | 108.41       | 110.62                   | 107.31             | 113.36             |
| AVERAGE WEEKLY HOURS              |                  |                          |                     |                            |                      |                         |                 |              |                          |                    |                    |
| Year: 1953.....                   | 37.7             | 37.0                     | 37.5                | 36.6                       | 38.1                 | 34.7                    | 39.3            | 35.7         | 40.3                     | 41.2               | 39.6               |
| 1954.....                         | 37.0             | 36.2                     | 36.2                | 36.2                       | 37.9                 | 34.5                    | 38.6            | 35.3         | 40.2                     | 40.6               | 39.9               |
| 1955.....                         | 36.9             | 36.2                     | 35.8                | 36.4                       | 38.0                 | 34.7                    | 39.1            | 35.5         | 40.3                     | 41.3               | 39.4               |
| 1956.....                         | 37.3             | 36.4                     | 36.0                | 36.7                       | 38.2                 | 35.0                    | 39.5            | 35.8         | 40.8                     | 41.9               | 39.9               |
| 1956: July.....                   | 38.1             | 37.0                     | 36.7                | 37.2                       | 38.5                 | 35.1                    | 39.5            | 36.6         | 42.4                     | 43.7               | 41.1               |
| August.....                       | 38.3             | 37.2                     | 37.0                | 37.4                       | 38.5                 | 35.8                    | 39.9            | 36.7         | 42.4                     | 44.0               | 41.0               |
| September.....                    | 38.6             | 37.4                     | 37.1                | 37.7                       | 38.6                 | 35.6                    | 40.3            | 37.1         | 42.8                     | 44.4               | 41.3               |
| October.....                      | 38.4             | 37.4                     | 37.1                | 37.6                       | 38.6                 | 35.9                    | 39.9            | 37.0         | 42.4                     | 44.2               | 40.8               |
| November.....                     | 36.6             | 35.8                     | 35.5                | 36.0                       | 37.4                 | 33.8                    | 38.1            | 35.3         | 39.7                     | 40.6               | 39.0               |
| December.....                     | 36.8             | 36.3                     | 35.6                | 36.8                       | 38.8                 | 34.5                    | 39.7            | 35.5         | 39.2                     | 39.2               | 39.2               |
| 1957: January.....                | 34.7             | 34.1                     | 33.0                | 34.9                       | 37.8                 | 33.2                    | 38.8            | 32.3         | 37.2                     | 36.8               | 37.4               |
| February.....                     | 36.9             | 36.3                     | 36.1                | 36.5                       | 38.2                 | 34.1                    | 39.5            | 35.1         | 39.6                     | 40.3               | 39.3               |
| March.....                        | 36.7             | 36.0                     | 35.4                | 36.5                       | 38.1                 | 34.8                    | 39.3            | 35.2         | 39.4                     | 39.9               | 39.1               |
| April.....                        | 36.8             | 36.2                     | 35.7                | 36.5                       | 38.1                 | 34.8                    | 39.3            | 35.4         | 39.1                     | 39.9               | 38.6               |
| May.....                          | 37.2             | 36.4                     | 36.0                | 36.8                       | 38.1                 | 35.3                    | 39.3            | 35.8         | 39.8                     | 40.1               | 39.4               |
| June.....                         | 37.8             | 36.9                     | 36.6                | 37.2                       | 38.4                 | 35.3                    | 39.9            | 36.4         | 40.7                     | 41.7               | 39.9               |
| July.....                         | 38.1             | 37.0                     | 36.8                | 37.1                       | 38.2                 | 35.5                    | 39.1            | 36.5         | 41.9                     | 43.8               | 40.2               |
| AVERAGE HOURLY EARNINGS           |                  |                          |                     |                            |                      |                         |                 |              |                          |                    |                    |
| Year: 1953.....                   | \$2.43           | \$2.48                   | \$2.34              | \$2.59                     | \$2.58               | \$2.51                  | \$2.84          | \$2.55       | \$2.24                   | \$2.07             | \$2.37             |
| 1954.....                         | 2.54             | 2.60                     | 2.47                | 2.69                       | 2.71                 | 2.62                    | 2.92            | 2.64         | 2.31                     | 2.14               | 2.44               |
| 1955.....                         | 2.60             | 2.66                     | 2.52                | 2.77                       | 2.80                 | 2.72                    | 2.98            | 2.71         | 2.36                     | 2.21               | 2.50               |
| 1956.....                         | 2.73             | 2.80                     | 2.64                | 2.92                       | 2.94                 | 2.86                    | 3.18            | 2.86         | 2.49                     | 2.33               | 2.63               |
| 1956: July.....                   | 2.71             | 2.79                     | 2.63                | 2.91                       | 2.95                 | 2.85                    | 3.14            | 2.84         | 2.49                     | 2.35               | 2.62               |
| August.....                       | 2.74             | 2.81                     | 2.65                | 2.94                       | 2.97                 | 2.88                    | 3.20            | 2.87         | 2.51                     | 2.39               | 2.63               |
| September.....                    | 2.77             | 2.84                     | 2.67                | 2.97                       | 2.98                 | 2.90                    | 3.27            | 2.89         | 2.53                     | 2.39               | 2.67               |
| October.....                      | 2.79             | 2.86                     | 2.69                | 2.98                       | 2.99                 | 2.90                    | 3.28            | 2.91         | 2.55                     | 2.41               | 2.69               |
| November.....                     | 2.80             | 2.87                     | 2.71                | 3.00                       | 3.01                 | 2.91                    | 3.28            | 2.92         | 2.54                     | 2.35               | 2.70               |
| December.....                     | 2.82             | 2.89                     | 2.71                | 3.02                       | 3.03                 | 2.92                    | 3.27            | 2.95         | 2.55                     | 2.32               | 2.71               |
| 1957: January.....                | 2.84             | 2.92                     | 2.72                | 3.05                       | 3.06                 | 2.93                    | 3.29            | 2.97         | 2.55                     | 2.28               | 2.72               |
| February.....                     | 2.84             | 2.91                     | 2.72                | 3.05                       | 3.06                 | 2.92                    | 3.31            | 2.97         | 2.56                     | 2.31               | 2.71               |
| March.....                        | 2.84             | 2.91                     | 2.71                | 3.04                       | 3.07                 | 2.94                    | 3.34            | 2.94         | 2.55                     | 2.30               | 2.72               |
| April.....                        | 2.85             | 2.92                     | 2.73                | 3.05                       | 3.07                 | 2.94                    | 3.32            | 2.97         | 2.58                     | 2.34               | 2.76               |
| May.....                          | 2.86             | 2.94                     | 2.75                | 3.06                       | 3.09                 | 2.95                    | 3.35            | 2.99         | 2.61                     | 2.41               | 2.79               |
| June.....                         | 2.86             | 2.94                     | 2.75                | 3.08                       | 3.11                 | 2.99                    | 3.36            | 2.99         | 2.62                     | 2.43               | 2.79               |
| July.....                         | 2.87             | 2.94                     | 2.77                | 3.07                       | 3.09                 | 3.02                    | 3.37            | 2.97         | 2.64                     | 2.43               | 2.82               |
| Percent change, July 1956 to 1957 |                  |                          |                     |                            |                      |                         |                 |              |                          |                    |                    |
| Avg. wtky. earnings ..            | +5.9             | +5.4                     | +5.6                | +5.2                       | +3.9                 | +7.2                    | +6.2            | +4.3         | +4.8                     | +4.5               | +5.3               |
| Avg. wtky. hours.....             | 0                | 0                        | + .3                | - .3                       | - .8                 | +1.1                    | -1.0            | - .3         | -1.2                     | + .2               | -2.2               |
| Avg. hrly. earnings....           | +5.9             | +5.4                     | +5.3                | +5.5                       | +4.7                 | +6.0                    | +7.3            | +4.6         | +6.0                     | +3.4               | +7.6               |

Source: Department of Labor.

(NOTE: Table G-7, Registered Apprentice in the Building Trades, is shown semiannually in the January and July issues.)

## Construction Legislation

### **Military Construction Act of 1957.** (Public Law 85-241, approved August 30, 1957.)

This law authorizes the appropriation of \$1,232,495,000 for construction at military, naval, and Air Force installations within the United States and at overseas locations, distributed among the services, as follows: Army, \$293,103,000; Navy, \$337,611,000; and Air Force, \$601,781,000. Included in these authorizations are 2,146 family housing units at an estimated cost of \$50,000,000, and \$9,425,000 for construction of a hospital, chapel, service club, nurses quarters, and additional airmen's dormitories for the Air Force Academy at Colorado Springs.

In addition to the above, P.L. 85-241 provides for an increase of \$183,595,000 in authorizations granted in prior laws to cover increased construction costs for certain approved projects, allocated among the services, as follows: Army, \$25,985,000; Navy, \$42,648,000; and Air Force, \$114,962,000.

Section 406 of P.L. 85-241 provides that after July 1, 1958, the number of servicemen's family housing units to be constructed or acquired (including Capehart housing, and units built or purchased with appropriated funds) must be authorized and appropriated for in an annual military construction bill, except the so-called Wherry housing. The purchase of Wherry housing (privately owned housing at military reservations) is obligatory, under the provisions of P.L. 1020, 84th Congress, if located where Capehart units are to be constructed, and thus is excluded from the annual justification requirement.

Funds authorized in this law were appropriated in Public Law 85-170 (see below).

### **Amendment to the National Defense Facilities Act to Provide Additional Reserve Training Facilities.** (Public Law 85-215, approved August 29, 1957.)

This measure amends the National Defense Facilities Act of 1950, as amended, by authorizing an additional \$80,000,000 for Federal and State acquisition, expansion, and construction of armories, rifle ranges, airfields, training centers, repair shops, and other facilities required for the training of the Reserve components of the U. S. Armed Forces, including P.L. 85-215 does not extend the authority of the Secretary of Defense to continue this long-range program beyond the present expiration date of June 30, 1958, since the Defense Department will be required to submit a new legislative program requesting annual authorizations on a line-item basis, beginning with fiscal year 1959.

### **Construction of Research Facilities by the National Advisory Committee for Aeronautics.** (Public Law 85-253, approved September 2, 1957.)

This law authorizes construction of facilities and the installation of equipment required by the National Advisory Committee for Aeronautics in its program for fiscal year 1958. The largest authorizations were for work at the following locations: Lewis Flight Propulsion Laboratory, Cleveland, Ohio (\$17,455,000); Ames Aeronautical Laboratory, Moffett Field, Calif. (\$16,521,000); and Langley Aeronautical Laboratory, Hampton, Va. (\$8,914,000). The approximate costs shown here may be increased by as much as 5 percent to meet unusual cost variations, but total appropriations authorized by P.L. 85-253 may not exceed \$45,450,000.

Funds appropriated for the construction of facilities authorized by this Act may, with the approval of the Bureau of the Budget, be used for emergency repairs of existing facilities that are made inoperative by major breakdown, accident, or other circumstance, if the Chairman of NACA deems the repairs to be of greater urgency than the construction of new facilities.

### **Extension of Federal Aid for School Construction in Federally Affected Areas** (Public Law 85-267, approved September 2, 1957.)

P.L. 85-267 extends for 1 year, until June 30, 1959, the program of financial assistance by the Federal Government to local educational agencies for the construction of school facilities in areas affected by Federal activities, under the provisions of Public Law 815, 81st Congress, as amended.



This extension was made so that funds may be allocated to provide schools for about 34,000 children who will be living in some 45,300 Capehart housing units (located on 136 military installations in 40 States and 3 Territories) which are scheduled for completion between June 30, 1958, the previous ending date for P.L. 815, and June 30, 1959.

**Atomic Energy Indemnification and Limitation of Liability Act.** (Public Law 85-256, approved September 2, 1957.)

This law, which amends the Atomic Energy Act of 1954 to provide for a new program of Federal indemnity against atomic reactor hazards, was designed to encourage private industry's participation in the further development of the peaceful uses of atomic energy.

Under its provisions, the Atomic Energy Commission will require, as a condition for a license to operate or construct a reactor, or to transmit radioactive materials, that the licensee take out and maintain financial protection against reactor accidents. The required protection may consist of private insurance, private contractual indemnities, self insurance, other proof of financial responsibility (such as cash, other assets, or bonds), or a combination of these items, and is applicable to licenses issued between August 30, 1954, and August 1, 1967. The face amount of this protection is to be the amount of liability insurance available from private sources, unless the Commission finds that a lesser amount is fair, considering the hazard involved in the reactor and the terms and cost of the insurance.

In addition to furnishing financial protection, each licensee is required also to maintain a contract of indemnification with the Federal Government. Under this contract the Government will indemnify the licensee for damages arising from each nuclear incident which are in excess of the financial protection required, up to a maximum of \$500 million, including costs of investigating and settling claims and defending suits for damage.

Both the financial protection and the Government's indemnification are to cover any person who might be found liable for a reactor incident, including contractors, subcontractors, designers, and suppliers of materials, parts, or services. Suppliers will be covered even when the materials are supplied through the open market and it is not known that they are going into a reactor.

Section 4(d) of P.L. 85-256 authorizes the Atomic Energy Commission to enter into agreements of indemnification with its own contractors and subcontractors until August 1, 1967. This authority is in addition to the authority which the Commission already had, under which the very large and relatively more dangerous production reactors were granted indemnity, and may be applicable to lump-sum as well as cost-type contracts and to contracts and projects financed in whole or in part by the Commission.

If there should be an instance where damages exceed the \$500 million indemnification limit, together with the amount of the required financial protection, the law provides that the Commission or any person interested can apply to the appropriate district court of the United States having jurisdiction in bankruptcy over the site of the nuclear incident, and have the funds available prorated among all those to whom liability is owed. It is anticipated that Congress, after authorization hearings before the Joint Committee on Atomic Energy, would appropriate funds in instances where the amounts provided under this law are inadequate.

Other provisions of the law authorize the Commission to collect a fee of \$30 a year per thousand kilowatts of thermal energy for commercial facilities (estimated to be enough to cover administrative costs of the protection); require the Commission to use, to the greatest extent practicable, the facilities and services of private insurance organizations and to pay reasonable compensation therefor; set forth certain clauses for inclusion in agreements for indemnification; and make the Advisory Committee on Reactor Safeguards a statutory committee. In addition, section 7 of the law requires the Commission to hold hearings on each facility which would be licensed, either as a commercial facility or as a facility looking toward the demonstration of its practical value, or a testing facility. These are the types of facilities most likely to have the hazards against which P.L. 85-256 seeks to provide additional protection.

## APPROPRIATION ACTS THAT PROVIDE FOR CONSTRUCTION

**Public Works Appropriation Act, 1958.** (Public Law 85-167, approved August 26, 1957.)

The following major construction items are provided for by this law:

Department of the Army, Corps of Engineers. (1) \$449,398,500--general construction and related activities on rivers and harbors, flood control, shore protection, and other authorized projects under the Corps of Engineers civil works program in the United States, Alaska, and Hawaii, of which not to exceed \$1,600,000 is to be transferred to the Secretary of the Interior for conservation of fish and wildlife; (2) \$60,715,000--construction of levees, bank stabilization works, etc., and maintenance and repair work in connection with the Mississippi River and Tributaries flood control project; and (3) \$10,779,600--studies, surveys, and collection of basic information for authorized or legally eligible projects.

Department of the Interior. (1) Bureau of Reclamation, \$116,736,223 for construction and rehabilitation of authorized reclamation projects in 12 States, including \$37,746,000 for the Missouri River Basin project; \$25,142,000 for continuation of construction at the Upper Colorado River storage project; and \$5,932,000 for engineering and economic investigations of proposed Federal reclamation projects, and studies of water conservation and development plans; and (2) Bonneville Power Administration, \$22,038,000--construction and acquisition of transmission lines, substations, and appurtenant facilities.

**Supplemental Appropriation Act, 1958.** (Public Law 85-170, approved August 28, 1957.)

Most of the nearly \$3/4 billion appropriated in this law for construction purposes is for national defense projects in the United States and at overseas bases, a number of which were authorized in P.L. 85-241 (see above). Funds for the military construction program were distributed as follows: Department of the Army, \$365,000,000 (including \$55,000,000 for the long-range program for construction of administrative and training facilities for National Guard and Reserve units); Department of the Navy, \$265,000,000; and Department of the Air Force, \$900,000,000.

Other major construction items contained in P.L. 85-170 include:

(1) Small Business Administration, \$100,000,000 for additional capital for the revolving fund used in making disaster loans and business loans (including those for plant construction) authorized by the Small Business Act of 1953, as amended;

(2) Department of Agriculture, Agricultural Conservation Program Service, \$20,000,000 to carry out emergency conservation measures for rehabilitation of farms damaged by floods or other disasters in recent months;

(3) Funds Appropriated to the President, \$15,000,000 for the disaster relief program administered for the President by the Civil Defense Administrator;

(4) Department of Commerce, Civil Aeronautics Administration, \$12,500,000 for construction and development of a public airport in the vicinity of the District of Columbia; and

(5) Department of Defense, \$5,500,000 for construction of additional Loran (navigational aid) Stations by the Coast Guard.

Section 308 of P.L. 85-170 provides that funds appropriated to the military departments for construction may be used for advances to the Bureau of Public Roads, Department of Commerce, for construction and improvement of access roads to military reservations, authorized under section 6 of the Defense Highway Act of 1941, as amended, and section 12 of the Federal-Aid Highway Act of 1950, as amended, when such projects are certified as important to the national defense.

## EXPLANATORY NOTES

Construction Review brings together under one cover virtually all of the Government's current statistics that pertain to construction. Published jointly by the U. S. Department of Commerce and the U. S. Department of Labor, this monthly report is designed to serve the wide variety of groups and individuals among businessmen, government officials, legislators, labor unions, research workers, and the general public who need a convenient reference to the many facets by which current trends in construction may be gauged.

The various measures of construction are shown in detail wherever possible, by type of construction, trade, or material, and in addition, by location. The Index to statistical tables is a guide to the detail provided by each tabulation.

Most of the statistical series shown are prepared separately or jointly by the two agencies responsible for this publication. The remainder, specifically accredited, originate in other governmental agencies or are contributed by private organizations.<sup>1</sup>

Almost all the statistics are presented on a monthly basis; the rest, quarterly. Except where noted, all data relate to the continental United States.

### DEFINITION OF THE SERIES

**Part A--Construction Put In Place.** Construction, for the purpose of this series, is defined to include the engineering, design, and production of all fixed works and structures. Only new construction, including major additions and alterations, is covered; maintenance and repair work is excluded. The estimates cover build-

ings; other structures such as dams, levees, and bridges; and nonstructural works such as airfields, highways, canals, and navigation channels. They include the installed value of equipment generally considered an integral part of a structure and commonly included in the contract price, such as plumbing, heating, and air conditioning equipment and elevators. They exclude separable equipment, such as production machinery, power-generating equipment, and furnishings.

Clearing and development of land is included. If, however, an existing structure is demolished in the process, the demolition itself is excluded. Excluded also are oil, gas, and water well drilling; the digging and shoring of mines; and work which is an integral part of farming operations such as plowing, terracing, and the digging of drainage ditches.

Value of construction includes the cost of architectural and engineering fees, land development costs, material and equipment installed, labor, overhead, and profit on construction operations, but not speculative profits. Also included are the value of force-account work (construction done, not through a contractor, but directly by a business or government agency using a separate work force to perform nonmaintenance construction on the agency's own properties), as well as the value of work done by owners or their families on their own homes, farm buildings, and the like.

Estimates of the value of construction measure the value of work put in place on all structures and facilities under construction during a given period regardless of when work on each individual project was started.

<sup>1</sup> The private contributors are as follows: American Appraisal Co. (525 E. Michigan St., Milwaukee 2, Wis.), Associated General Contractors of America, Inc. (329 E St., N. W., Washington 4, D. C.), E. H. Boeckh and Associates (1406 M St., N. W., Washington 5, D. C.), and the Engineering News-Record (330 W. 42nd St., New York 36, N. Y.), which provide this bulletin with construction cost indexes; the F. W. Dodge Corporation (119 W. 40th St., New York, N. Y.), which provides contract award values for the 37 eastern States; and the following private associations whose materials production, shipments, and other statistics on materials are published here: American Institute of Steel Construction (101 Park Ave., New York 17, N. Y.), American Iron and Steel Institute (150 E. 42nd St., New York 17, N. Y.), Douglas Fir Plywood Association (Tacoma Bldg., Tacoma 2, Wash.), National Electric Manufacturers Association (155 E. 44th St., New York 17, N. Y.), National Lumber Manufacturers Association (1319 18th St., N. W., Washington 6, D. C.), and National Wood Work Manufacturers Association (332 S. Michigan Avenue, Chicago 4, Ill.).

Federally owned construction covers all projects financed exclusively with Federal funds, whether the work is done by force-account or by private contractors. State and locally owned construction, which also covers both force-account and private-contract work, includes projects financed entirely by State and local governments, as well as projects financed in part by the Federal Government under grants-in-aid programs. Thus, the value figures for State and locally owned construction include the funds obtained from all three levels of government--Federal, State, and local. For the most part, the types of projects involving both Federal and State or local government monies are highways, airfields, schools, hospitals, and sewage-disposal and water-supply facilities.

**Part B--Housing.** The housing series in this report cover only permanent and housekeeping dwelling units, which are defined as dwelling places containing permanent cooking facilities, or the minimum built-in facilities essential to housekeeping.

The series on the number of new permanent nonfarm dwelling units started, widely known as housing starts, includes prefabricated housing (if permanent), but excludes conversions (which are not new dwelling units) and hotel, dormitory accommodations, and military barracks (none of which are housekeeping dwellings). Excluded also are all temporary dwelling units, such as trailers, sheds, and shacks, as well as all farm housing.

The housing starts estimates are based on local building permits issued (adjusted for canceled permits and for lag between permit issuance and start of construction) and public contracts awarded, plus a field count of units started in a sample of nonpermit-issuing places.

Construction is said to have started when excavation work for the basement or the foundation of the structure has commenced.

This series was revised beginning with data for January 1954. The new series presents statistics for the 4 broad Census regions (Northeast, North Central, South, and West) and for the metropolitan, as compared with the nonmet-

ropolitan segment of the country. Estimates by metropolitan-nonmetropolitan location have been carried back on a monthly basis through January 1953, and on an annual basis through 1950.

These geographic data replace the urban-rural classification used previously. Also, rental-type units in the new series are classified as 2-4 family and 5-or-more family structures, compared with the former classification of 2-family and 3-or-more family structures.

Construction cost data shown here represent the average of builders' estimates of the construction cost of all new private 1-family houses started nationally. The construction cost averages are affected by variations in size and design of the houses, in the size and type of projects started, and differences in construction methods, as well as changes in cost of materials and labor. They do not represent the construction cost of a typical house, and should not be confused with selling price or permit valuation.

The cost data are based primarily on builders' estimates of construction cost as shown on the building permit, and on reports of construction cost by individual construction contractors in a representative group of localities not issuing permits. Building-permit information is adjusted for the general understatement of costs shown on permit applications.

The construction cost figures cover the cost of labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the building of the houses. Included are the costs of equipment which becomes an integral part of the structure and is essential to its general use. Excluded are the costs of land, site improvement, architectural and engineering fees, and sales profits.

While the series on total nonfarm dwelling units started, as well as the series on units started under FHA and VA programs, cover new housing only, as distinguished from converted or existing housing, the statistics on nonfarm mortgage recordings of \$20,000 or less refer to both new and existing structures. Furthermore, the latter series covers all types of building construction, but resi-



dential building accounts for the larger proportion of these mortgage recordings.

**Part C--Building Permits.** The statistics on building construction authorized by local building permits, beginning with data for January 1954, measure building activity in all localities having building-permit systems--rural nonfarm as well as urban. Such localities (over 7,000) include about 80 percent of the total nonfarm population of the country, according to the 1950 Census.

The building-construction data cover federally as well as nonfederally owned projects. Figures on the amount of construction contracts awarded for Federal projects and for public housing (Federal, State, and local) in permit-issuing places are added to the valuation data (estimated cost entered by builders on building-permit applications) for privately owned projects; construction undertaken by State and local governments is reported by local officials.

No adjustment has been made in the building-permit data to reflect the fact that permit valuations generally understate the actual cost of construction, nor for lapsed permits or the lag between permit issuance or contract-award dates and start of construction. Therefore, they should not be considered as representing the volume of building construction started.

Statistics shown in this report for the total metropolitan area of the country represent the 168 Standard Metropolitan Areas used in the 1950 Census. Data for individual metropolitan areas (which were selected from those for which building-permit coverage is complete or virtually complete) include an estimate for non-permit-issuing places in each area.

Permit valuation figures do not include the costs of (1) demolishing or moving buildings, (2) nonbuilding construction (e.g., streets and highways, pipelines, water and sewer systems, etc.), or (3) land, land development, and architectural and engineering fees.

The builders' estimates of cost as reported on the building permit, basically include the value of labor and materials involved. However, because of differences in requirements, administration,

and enforcement among the many local permit systems covered in this series, and variations in how individuals report, precise information is lacking regarding the extent to which the cost of service facilities essential to the general use of the building, or builders' overhead and profit, are included.

Dwelling units are defined the same for the building-permit series as for the series presented in Part II (New Housing) of this report. The nonhousekeeping residential building shown here is comprised of such structures as hotels, dormitories, tourist cabins, and clubs and association buildings with bedrooms.

**Part D--Contracts.** The value of contracts awarded represents the amount of the construction contracts let during a given period of time for new construction, including major additions and alterations. Maintenance and repair work is not covered. As in the "construction put in place" series, equipment which becomes an integral part of structures and is essential to their general use is included, as well as costs of land development, materials, labor, and contractors' overhead and profit on construction operations. Similarly, the value of Federal force-account work is also included, but the cost of land and separable equipment are excluded. However, unlike the construction put in place series, the statistics on contracts awarded exclude architectural and engineering fees and non-Federal force-account work, but include a small amount of demolition work when it is part of the overall contract for new construction.

Figures on federally owned projects are compiled from notifications of construction contracts awarded, obtained from other Federal agencies. Data on non-Federal construction are obtained from records compiled by the F. W. Dodge Corporation, for the 37 States east of the Rocky Mountains. For the remaining States, they are based on reports from local building-permit officials, augmented by reports on construction contract awards which appear in a number of construction trade periodicals. Inquiries about the Dodge contract-award series may be addressed directly to that company.



**Part E--Costs.** The Department of Commerce composite construction cost index is a combination of various cost indexes (prepared by private organizations and other government agencies), weighted monthly by the current relative importance of the major classes of construction shown in the series on construction put in place. It is, therefore, the equivalent of a variable weighted indicator, reflecting monthly changes not only in the component indexes, but also in the relative importance of the major classes of construction which are used as weights.

The individual private indexes reported monthly by the American Appraisal Company, Associated General Contractors, E. H. Boeckh and Associates, and the Engineering News-Record are computed from quotations for a designated bill of materials and a specified amount of labor. The indexes differ as to the amounts and kinds of materials and labor measured, geographic coverage, and the extent to which adjustments are made for variations in labor efficiency, overhead and other factors affecting construction costs.

Cost indexes applicable to particular locations and special types of construction may be obtained from most of these compilers.

All materials usually incorporated into buildings by the general contractor, or his subcontractors, are covered in the index of wholesale prices of building materials. Specifically excluded are consumer durable goods such as kitchen ranges, refrigerators, and air-conditioning equipment. Goods of constant quality are priced from period to period, so that the index measures the effect only of price, rather than of quality change. "Wholesale" refers to sales in large lots, at primary market levels.

The series was revised, beginning with the January 1952 index, to include the pricing of additional materials, a different weighting pattern, and a change in the pricing period. The revised index, based on 1947-49=100, is the "official" wholesale price index of the Federal Government for January 1952 and all subsequent months; the indexes previously published on the base 1926=100 are the official price indexes for Decem-

ber 1951 and all earlier dates. The index presented here for the year 1951 on a 1947-49=100 base is taken from a "linked" series, calculated solely for analytical purposes, and does not supersede the former index (1926=100) as the official series for that year.

Union wage scales are the minimum wage rates agreed upon through collective bargaining between employers and trade unions. Overtime beyond the negotiated maximum daily and weekly hours is excluded. In addition, the scales do not reflect either rates for apprentices or premium rates paid for special qualifications or other reasons.

**Part F--Materials Output.** The Indexes of Construction Materials Output provide measures of production or shipments for ten groups of construction materials, and are based on the output of 43 selected materials. Monthly indexes are provided for eight groups of materials, quarterly indexes for the other two groups, and annual levels are given for all groups.

In computing the indexes, the current monthly or quarterly unit production or shipments data are converted to aggregate values by multiplying 1947-49 average prices at the mills, factories, or plants. The base period aggregate values (1947-49 monthly average = 100) are derived by multiplying 1947-49 monthly average output by the 1947 average factory, mill, or plant price. By the use of varying physical quantities, and constant prices, the group indexes represent physical quantity measures. The trend lines appearing on the charts are derived from the group indexes by removing the month-to-month fluctuations resulting from seasonal and erratic factors. The lines are 12-month moving averages centered on the seventh month, with each calendar year centered on July. Projections for the last 6 months are made by using the current data adjusted for the seasonal movements appearing during the period 1952-54, and smoothed by a 3-month moving average.

**Part G--Employment.** Data on employment in contract construction cover all employees of construction firms who worked during, or received pay for, the payroll period ending nearest the 15th of the month, regardless of the type of

work performed. Only firms engaged in the construction business on a contract basis for others are included, but such firms pursue all kinds of construction activities--new work, alterations, demolitions, maintenance, and repairs. Excluded are self-employed construction workers, working proprietors, and force-account employees of non-construction firms and public agencies engaged in construction activities.

The hours and earnings estimates relate only to nonsupervisory construction workers and working foremen. All such workers, regardless of skill, are included if they are engaged in any way in contract construction activities (on either privately or publicly owned projects).

The earnings statistics shown are gross earnings before deductions for old-age and unemployment insurance, withholding tax, bonds, and union dues. Gross earnings include the workers' base pay, premium pay for overtime and for bonuses, and pay for sick leave, holidays, and vacations taken, but such items as employer contributions to welfare funds, and to insurance or pension plans, are excluded.

The indexes of weekly man-hours in contract construction are a composite measure of the trends in construction-worker employment and average weekly hours. They provide a more meaningful measure of contract-construction activity than the employment or average weekly hours series alone, since the volume of work done is dependent upon both the number of workers employed and the length of their workweek.

The foregoing employment and earnings series are based upon reports from individual contracting establishments; these reports do not contain the detail necessary to separate employment according to the kind of construction work performed.

Information shown in this report on apprentices in the building trades applies only to registered apprentices. A registered apprentice is defined as an employee who, under an expressed or implied agreement for a stipulated term, receives instruction in a registered ap-

prenticeship system, and concerning whom a recognized apprenticeship agency has on record all the information it requires.

The apprenticeship data are obtained from local apprenticeship committees, trade unions, employers' associations, and building trades councils, by field representatives of the Federal Government and cooperating State Apprenticeship Agencies. Occupational classifications are based on descriptions in the Dictionary of Occupational Titles (Washington, U. S. Employment Service, 2d Ed., 1949). For the purposes of the tabulation presented here, three classifications--brick, stone, and tile workers; cement masons; and plasterers--have been combined into one group, the trowel trades.

#### SELECTED REFERENCES

Descriptions of the techniques of compiling most of the series included in Construction Review, as well as related explanatory information and historical statistics, are contained in a selected group of Government publications shown on the following page.

Starred (\*) items may be obtained from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., at the prices shown. Other publications listed here are available upon request to the agency responsible for the specific report.

SELECTED REFERENCES

- \***Business Statistics: A Supplement to the Survey of Current Business.** 1955 Biennial Edition. U. S. Department of Commerce, Office of Business Economics. \$2.
- \***Construction Volume and Costs, 1915-54: A Statistical Supplement to Volume I of Construction Review.** May be obtained from Bureau of Labor Statistics Regional Offices or Department of Commerce Field Offices (see inside front cover of Construction Review for addresses), or from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. 50 cents.
- Construction Cost Indexes.** BLS Report No. 73, November 1954. U. S. Department of Labor, Bureau of Labor Statistics, Washington 25, D. C.
- \***Construction During Five Decades, Historical Statistics, 1915-52.** BLS Bulletin 1146. U. S. Department of Labor, Bureau of Labor Statistics. 45 cents.
- \***Employment and Earnings.** Monthly. U. S. Department of Labor, Bureau of Labor Statistics. Subscription price: \$3.50 domestic; \$4.50 foreign. Single copies vary in price.
- \***Employment and Earnings.** Annual Supplement Issue. June 1957, U. S. Department of Labor, Bureau of Labor Statistics, Washington 25, D. C. \$1
- \***Ninth Annual Report--Housing and Home Finance Agency.** Calendar Year 1955. Housing and Home Finance Agency. \$1.50.
- Housing Statistics.** Monthly. Housing and Home Finance Agency, Division of Housing Research, Washington 25, D. C.
- New Construction Expenditures, 1915-51: Labor Requirements 1939-51.** U. S. Department of Labor, Bureau of Labor Statistics, Division of Construction Statistics, Washington 25, D. C.
- \***Techniques of Preparing Major BLS Statistical Series.** BLS Bulletin 1168, U. S. Department of Labor, Bureau of Labor Statistics. 60 cents.  
     Chapter II --Estimating National Housing Volume  
     Chapter III --Estimating Expenditures for New Construction  
     Chapter IV --Labor Required for New Construction  
     Chapter VI --Measurement of Industrial Employment  
     Chapter VII--Hours and Earnings in Nonagricultural Industries  
     Chapter X --Wholesale Price Index  
     Chapter XII--Studies of Occupational Wages and Supplementary Benefits
- \***Union Wages and Hours: Building Trades, July 1, 1956.** BLS Bulletin 1205. U. S. Department of Labor, Bureau of Labor Statistics. 35 cents.
- Revised Wholesale Price Index of Building Materials, in Construction, March 1952, pp. 3-8.** U. S. Department of Labor, Bureau of Labor Statistics, Division of Construction Statistics, Washington 25, D. C.
- A Description of the Revised Wholesale Price Index.** Serial No. R 2067. **Monthly Labor Review**, Feb. 1952. U. S. Department of Labor, Bureau of Labor Statistics, Washington 25, D. C.
- \***Wholesale Prices, 1951 and 1952.** BLS Bulletin 1143. U. S. Department of Labor, Bureau of Labor Statistics. 30 cents.

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